NEXT Working S	Schedule		NEXT - Mile	stone Schedule					12-Apr-17 14:
ivity ID	Activity Name	Dur	% Comp Start	Finish E	BL Start	BL Finish	BL Budget	EAC Cost	Total 2013 2014 2015 2016 2017
									Float
Milestone	Level: L1	1837	0% 27-May-10 A	29-Sep-17 2	27-May-10	29-Sep-17	\$0	\$0	0
M1000	CD-0 - Mission Need	0	100% 27-May-10 A	2	27-May-10		\$0	\$0	
M1005	CD-1 Alternative Selection	0	100% 19-Dec-11 A	1	19-Dec-11		\$0	\$0	tive Selection
M1010	CD-3A- Approve Long Lead Procurements	0	100% 09-Oct-13 A	(09-Oct-13		\$0	\$0	CD-3A- Approve Long Lead Procurements
M1006	CD-2 - Performance Baseline Approved	0	100%	09-Oct-13 A		09-Oct-13	\$0	\$0	CD-2 - Performance Baseline Approved
M1015	CD-3 - Start Construction	0	100% 07-Jul-14 A	3	31-Mar-14		\$0	\$0	
M1025	CD-4 Project Completion	0	0%	29-Sep-17*		29-Sep-17	\$0	\$0	0
lilestone	Level: L2	1553	0% 01-Apr-11 A	15-Jun-17 (01-Apr-11	31-Jan-17	\$0	\$0	0
/l2000	Start Conceptual Design	0	100% 01-Apr-11 A		01-Apr-11		\$0	\$0	nn l
Л2010	Start Preliminary Design	0	100% 19-Dec-11 A		19-Dec-11		\$0	\$0	hary Design
Л2020	Conceptual Design Complete	0	100%	28-Sep-12 A		28-Sep-12	\$0	\$0	pnceptual Design Complete
//2030	Hold 1st Photon Delivery System Design Review	0	100% 21-Oct-13 A		21-Oct-13	1-	\$0	\$0	Hold 1st Photon Delivery System Design Review
Л2025	Award 1st EPU Insertion Device Procurement Contract	0	100%	09-Jun-14 A	· -	07-Apr-14	\$0	\$0	◆ Award 1st EPU Insertion Device Procureme
M2056	Hold Final Design Review of SIX Beamline	0	100%	28-Oct-14 A		13-Nov-14	\$0	\$0	Hold Final Design Review of SIX Bea
M2033	1st Shielded Enclosure Acceptance Test Completed	0	100%	30-Oct-14 A		17-Nov-14	\$0	\$0	1st Shielded Enclosure Acceptance To
M2040	Receive ISS Gas Handling System	0	100%	22-Jul-15 A		17-Mar-15	\$0	\$0	Receive ISS Gas Handling S
M2055	Receive 1st Soft X-ray Grating	0	100%	16-Sep-15 A		01-Jul-15	\$0	\$0	◆ Receive 133 Gas training S
M2045	Receive 1st Double Crystal X-ray Monochromator	0	100%	30-Sep-15 A		16-Feb-16	\$0	\$0	A Receive 1st Soul X-1 ay Gr
И2060	Complete Installation of 1st Beamline Components	0	100%	30-Mar-16 A		25-May-16	\$0	\$0	
M2070	1st Beamline Available	0	100%	13-Apr-16 A		30-Sep-16	\$0	\$0	Complete Instal
M2050	Receive EPUs for ESM and SIX	0	100%	15-Jun-16 A		12-Aug-16	\$0	\$0	♦ Ist Beatrill
M2005	Common Beamline Systems: Mechanical Utilities Installed	0	100%	29-Aug-16 A		31-May-16	\$0	\$0	
M2065	Complete Installation of Common Beamline Systems PPS	0	100%	06-Jan-17 A		30-Sep-16	\$0	\$0	→ Common Bo
M2075	Early Project Completion - Including IRR	0	0%	15-Jun-17		31-Jan-17	\$0	\$0	0 Comple
	Level: L3	1076	0% 11-Jan-13 A		11-Jan-13		\$0	\$0	33
//3001	Start Beamline Hutch Specification and SOW	0	100% 11-Jan-13 A		11-Jan-13		\$0		
//3001 //3115	ISS - Complete Specifications of Shielded Enclosures	0	100% 11-Jan-13 A	08-Feb-13 A	11-Jan-13	08-Feb-13	\$0	\$0 \$0	Start Beamline Hutch Specification and SOW
13025	ESM - Complete Specifications of Shielded Enclosures	0	100%	13-Feb-13 A		13-Feb-13	\$0 \$0	\$0 \$0	ISS - Complete Specifications of Shielded Enclosures
13025	· · ·	0	100%			11-Mar-13	* -		ESM - Complete Specifications of Shielded Enclosures
	ISR - Complete Specifications of Shielded Enclosures	-		11-Mar-13 A			\$0	\$0	ISR - Complete Specifications of Shielded Enclosures
//3155	SIX - Complete Specifications of Shielded Enclosures	0	100%	11-Mar-13 A		11-Mar-13	\$0	\$0	SIX - Complete Specifications of Shielded Enclosures
M3200	SMI - Complete Specifications of Shielded Enclosures	0	100%	11-Mar-13 A	00 4 10	11-Mar-13	\$0	\$0	\$ SMI - Complete Specifications of Shielded Enclosures
M3003	Approve Initial Long Lead Procurements	0	100% 30-Apr-13 A		30-Apr-13	01 0-1 10	\$0	\$0	Approve Initial Long Lead Procurements
//3220	SMI - Hold Beamline Final Design Review	0	100%	21-Oct-13 A		01-Oct-13	\$0	\$0	\$MI - Hold Beamline Final Design Review
И3037	ESM - Hold Beamline Final Design Review	0	100%	22-Oct-13 A		22-Oct-13	\$0	\$0	ESM - Hold Beamline Final Design Review
13070 10070	FXI - Hold Beamline Final Design Review	0	100%	05-Nov-13 A		05-Nov-13	\$0	\$0	FXI - Hold Beamline Final Design Review
M3076	ISR - Hold Beamline Final Design Review	0	100%	08-Nov-13 A		08-Nov-13	\$0	\$0	ISR - Hold Beamline Final Design Review
M3141	ISS - Hold Beamline Final Design Review SMI - Award DCM Monochromator Package	0	100%	15-Nov-13 A 13-Mar-14 A		11-Nov-13	\$0	\$0	ISS - Hold Beamline Final Design Review
M3205		-	100%			24-Dec-13	\$0	\$0	SMI - Award DCM Monochromator Package
M3160	SIX - Award Monochromator and Slits Package	0	100%	21-Mar-14 A		15-Aug-14	\$0	\$0	SIX - Award Monochromator and Slits Pa
/3030	ESM - Award Monochromator and Slits Package	0	100%	22-Apr-14 A		06-Feb-14	\$0	\$0	◆ ESM - Award Monochromator and Slits Packa
/3085	ISR - Award DCM Monochromator Package	0	100%	09-May-14 A		03-Mar-14	\$0	\$0	ISR - Award DCM Monochromator Package
//3035	ESM - Beamline Control System Design Complete	0	100%	21-Jul-14 A		27-Feb-15	\$0	\$0	◆ ESM - Beamline Control System
//3130	ISS - Beamline Control System Design Complete	0	100%	21-Jul-14 A		29-May-14	\$0	\$0	ISS - Beamline Control System Design C
	FXI - Beamline Control System Design Complete	0	100%	23-Jul-14 A		29-Dec-14	\$0	\$0	FXI - Beamline Control System Des
13065 13170	SIX - Beamline Control System Design Complete	0	100%	23-Jul-14 A		29-Dec-14	\$0	\$0	SIX - Beamline Control System Des

NEXT Working Schedule			NE	EXT - Milestone Sch	iedule				12-Apr-17 1
ctivity ID	Activity Name	Dur	% Comp Sta	rt Finish	BL St	art BL Finish	BL Budget	EAC Cost	Total 2013 2014 2015 2016 2017
Mood	OMI. Provides Ocatal Onton Project Ocatal		1000/	00.144	4.0	00 D 144	Φ0	Φ0	Float
M3215	SMI - Beamline Control System Design Complete	0	100%	23-Jul-1		29-Dec-14	\$0	\$0	SMI - Beamline Control System De
M3171	SIX - Hold Beamline Final Design Review	0	100%	24-Jul-1		13-Nov-14	\$0	\$0	SIX - Hold Beamline Final Design Re
M3090	ISR - Beamline Control System Design Complete	0	100%	26-Sep-		27-Feb-15	\$0	\$0	→ ISR - Beamline Control System
M3125	ISS - Award XES Spectrometer	0	100%	05-Jun-		21-May-15	\$0	\$0	SISS - Award XES Spectrome
M3180	SIX - Award Spectrometer Grating Chamber	0	100%	03-Jul-1		17-Mar-15	\$0	\$0	◆ SIX Award Spectrometer (
M3135	ISS - Receive Gas Handling System	0	100%	09-Jul-1		17-Mar-15	\$0	\$0	→ SS - Receive Gas Handling
M3140	ISS - Testing High Heatload Monochromator complete	0	100%	23-Nov-		05-Jan-16	\$0	\$0	ISS - Testing High H
M3225	SMI - Bench Test of DCM Monochromator Complete	0	100%	30-Nov-		30-Nov-15	\$0	\$0	SMI - Bench Test of D
M3145	ISS - Testing Collimating Mirror complete	0	100%	26-Feb-		07-Jul-16	\$0	\$0	→ ISS Testing
M3250	Insertion Devices - SIX EPU 57 Received	0	100%	02-Mar-		06-Jun-16	\$0	\$0	
M3105	ISR - Bench test of Dual Phase Plate Assembly complete	0	100%	04-Mar-		24-Feb-16	\$0	\$0	ISR - Benich test of
M3230	SMI - Installation of CRL Focusing Optics Complete	0	100%	24-Mar-	-	17-Jun-16	\$0	\$0	SMI - Installati
M3150	ISS - Installation of Beamline Components Complete	0	100%	30-Mar-		14-Sep-16	\$0	\$0	→ ISS - Insta
M3045	ESM - Testing Monochromator and Slits complete	0	100%	29-Apr-		12-May-16	\$0	\$0	ESM - Testing N
M3100	ISR - Installation of DCM Monochromator complete	0	100%	02-May		15-Mar-16	\$0	\$0	ISR - Installation
M3245	Insertion Devices - ESM EPU 105 Received	0	100%	15-Jun-		12-Aug-16	\$0	\$0	Insertion De
M3050	ESM - Photon Delivery System Ready for Integration	0	100%	26-Jun-		07-Mar-16	\$0	\$0	◆ ESM - Photon
M3000	Common Beamline Systems: Mechanical Utilities Installed	0	100%	29-Aug-		31-May-16	\$0	\$0	◆ Common B
M3190	SIX - Testing & Commissioning of Spectrometer Detector Complete	0	100%	09-Sep-		23-Aug-16	\$0	\$0	SIX - Testir
M3185	SIX - Testing Monochromator and Slits complete	0	100%	21-Oct-		01-Mar-16	\$0	\$0	◆ \$IX - Tes
M3015	Common Beamline Systems: EPS Installed	0	100%	30-Nov-	16 A	30-Sep-16	\$0	\$0	Commo
M3055	ESM - Installation of Beamline Components Complete	0	100%	30-Dec-	16 A	29-Sep-16	\$0	\$0	
M3010	Common Beamline Systems: PPS Installed	0	100%	06-Jan-	17 A	30-Sep-16	\$0	\$0	
M3110	ISR - Installation of Beamline Components Complete	0	100%	14-Feb-	17 A	29-Jun-16	\$0	\$0	♦ ISR
M3020	2.04 - Beamline Control Systems Complete	0	100%	15-Mar-	17 A	14-Sep-16	\$0	\$0	2.04
M3005	Common Beamline Systems: Electrical Utilities Installed	0	100%	31-Mar-	17 A	29-Apr-16	\$0	\$0	
M3240	SMI - Installation of Beamline Components Complete	0	0%	07-Apr-	17	16-Sep-16	\$0	\$0	48 ◆ ◆ SN
M3195	SIX - Installation of Beamline Components Complete	0	0%	28-Apr-	17	30-Sep-16	\$0	\$0	33 ◆ SI
No Milesto	ne Level	1426	0% 03-	Oct-11 A 15-Jun-	17 03-O	ct-11 30-Sep-16	\$0	\$0	0
M1FY12	FY12 Funding Milestone	0	100% 03-	Oct-11 A	03-O	ct-11	\$0	\$0	Milestone
SMI1250	AVAIL: SMI ES Controls Specification Document	0	100% 29-		29-Fe		\$0	\$0	II ES Controls Specification Document
M1FY125	FY12 Mid Year Funding Milestone	0	100% 02-		02-Ap		\$0	\$0	d Year Funding Milestone
ISR0020	AVAIL: ISR PDS Controls Specification Document	0	100%	12-Apr-		12-Apr-12	\$0	\$0	SR PDS Controls Specification Document
CON0540	RQRD: ISR PDS Controls Specification Document	0	100% 13-	·	13-Ap		\$0	\$0	ISR PDS Controls Specification Document
SMI0020	AVAIL: SMI PD Controls Specification Document	0	100%	30-Apr-		30-Apr-12	\$0	\$0	SMI PD Controls Specification Document
SIX1645	AVAIL: SIX ES Controls Specification Document	0	100%	30-Apr-		30-Apr-12	\$0	\$0	SIX ES Controls Specification Document
CON1040	RQRD: SIX ES Controls Specification Document	0	100% 01-	· ·	01-Ma		\$0	\$0 \$0	SIX ES Controls Specification Document
CON1260	RQRD: SMI PDS Controls Specification Document	0	100% 01-	•	01-Ma	-	\$0	\$0 \$0	SMI PDS Controls Specification Document
ISS0020	AVAIL: ISS PD Controls Specification Document	0	100% 01-	03-May		03-May-12	\$0	\$0	
ISS1610	AVAIL: ISS ES Controls Specification Document	0	100%	03-May		03-May-12	\$0	\$0 \$0	SS PD Controls Specification Document
ESM0010	AVAIL: ISS ES Controls Specification Document AVAIL: ESM PDS Controls Specification Document	0	100%	03-May		03-May-12	\$0 \$0	\$0 \$0	SS ES Controls Specification Document
ISR1730	AVAIL: ISR ES Controls Specification Document AVAIL: ISR ES Controls Specification Document	0	100%	03-May		03-May-12	\$0 \$0	\$0 \$0	ESM PDS Controls Specification Document
	·	0							SR ES Controls Specification Document
SIX0015	AVAIL: SIX PD Controls Specification Document	0	100%	03-May		03-May-12	\$0	\$0	SIX PD Controls Specification Document
CON0560	RQRD: ISR ES Controls Specification Document	0	100% 04-	May-12 A	04-Ma	-	\$0	\$0	ISR ES Controls Specification Document

SIXO15 AVAIL: SIX PD Controls Specification Document

CON0560 RQRD: ISR ES Controls Specification Document

CON0780 RQRD: ISS PDS Controls Specification Document

CON0780 RQRD: ISS PDS Controls Specification Document

Actual Work

Project Baseline

Remaining Work

Milestone

Actual Work

Actual Work

Actual Work

Milestone

NAMIL: SIX PD Controls Specification Document

ISR ES Controls Specification Document

ISS PDS Controls Specification Docume

NEXT Working Schedule	NEXT - Milestone Schedule	12-Apr-17 14:05

ctivity ID	Activity Name	Dur	% Comp	Start	Finish BL Start	BL Finish	BL Budget	EAC Cost	Total 2013 2014 2015 2016 2017 Float
CON0800	RQRD: ISS ES Controls Specification Document	0	100%	04-May-12 A	04-May-12		\$0	\$0	ISS ES Controls Specification Document
CON1020	RQRD: SIX PDS Controls Specification Document	0		04-May-12 A			\$0	\$0	SIX PDS Controls Specification Document
CON0060	RQRD: ESM PDS Controls Specification Document	0		04-May-12 A	-		\$0	\$0	ESM PDS Controls Specification Document
FXI0600	AVAIL: FXI Controls SE Specification Document	0	100%		24-May-12 A	24-May-12	\$0	\$0	FXI Controls SE Specification Document
CON0310	RQRD: FXI SE Controls Specification Document	0		25-May-12 A	-	,	\$0	\$0	: FXI SE Controls Specification Document
SMI1580	KB Mirrors Preliminary Design Approved	0	100%		05-Jun-12 A	05-Jun-12	\$0	\$0	rors Preliminary Design Approved
SMI1860	SAXS/WAXS Table Preliminary Design Approved	0	100%		05-Jun-12 A	05-Jun-12	\$0	\$0	WAXS Table Preliminary Design Approved
ISS1660	Prelim. Design Approval	0	100%		04-Sep-12 A	04-Sep-12	\$0	\$0	elim. Design Approval
MFXI001	Start final design of FXI beamline	0		12-Sep-12 A	12-Sep-12	·	\$0	\$0	art final design of FXI beamline
SMI1300	CRL Focus Optics Preliminary Design Approved	0	100%	12 00p 1271	12-Sep-12 A	12-Sep-12	\$0	\$0	RL Focus Optics Preliminary Design Approved
SMI2130	Double Crystal Deflector Preliminary Design Approved	0	100%		12-Sep-12 A	12-Sep-12	\$0	\$0	puble Crystal Deflector Preliminary Design Approved
SMI2430	Vac Sample Chamber Preliminary Design Approved	0	100%		12-Sep-12 A	12-Sep-12	\$0	\$0	c Sample Chamber Preliminary Design Approved
SMI2730	WAXS Posn System Preliminary Design Approved	0	100%		12-Sep-12 A	12-Sep-12	\$0	\$0	AXS Posn System Preliminary Design Approved
ISR1780	Preliminary Design Approval	0	100%		18-Sep-12 A	18-Sep-12	\$0	\$0	
FXI0880	AVAIL: FXI TXM Upgrade Specification Document	0	100%		28-Sep-12 A	28-Sep-12	\$0	\$0	eliminary Design Approval
M1FY13	FY13 Funding Milestone	0		01-Oct-12 A	01-Oct-12	20 OCP 12	\$0	\$0	VAIL: FXI TXM Upgrade Specification Document
CON0320	RQRD: FXI ES Controls Specification Document	0		01-Oct-12 A	01-Oct-12		\$0	\$0	Y13 Funding Milestone
CON1270	RQRD: SMI SE Controls Specification Document	0		01-Oct-12 A	01-Oct-12		\$0	\$0	QRD: FXI ES Controls Specification Document
CON1270	·	0		01-Oct-12 A	01-Oct-12		· ·		QRD: SMI SE Controls Specification Document
	RQRD: SMI ES Controls Specification Document AVAIL: ISS SE Controls Specification Document	0		01-OCI-12 A	02-Oct-12 A	02-Oct-12	\$0	\$0	QRD: SMI ES Controls Specification Document
ISS1270	·	0	100%				\$0	\$0	VAIL: ISS SE Controls Specification Document
SIX1405	AVAIL: SIX SE Controls Specification Document	0	100%	00 0-4 10 4	02-Oct-12 A	02-Oct-12	\$0	\$0	VAIL: SIX SE Controls Specification Document
CON0790	RQRD: ISS SE Controls Specification Document	0		03-Oct-12 A	03-Oct-12		\$0	\$0	QRD: ISS SE Controls Specification Document
CON1030	RQRD: SIX SE Controls Specification Document	0		03-Oct-12 A	03-Oct-12	10.0 . 10	\$0	\$0	QRD: SIX SE Controls Specification Document
SIX0060	Prelim. Design Approval	0	100%		10-Oct-12 A	10-Oct-12	\$0	\$0	relim. Design Approval
MSIX001	Start final design of SIX beamline	0		11-Oct-12 A	11-Oct-12		\$0	\$0	tart final design of SIX beamline
ESM0050	Prelim. Design Approval	0	100%		19-Oct-12 A	19-Oct-12	\$0	\$0	relim. Design Approval
MESM001	Start final design of ESM beamline	0		22-Oct-12 A	22-Oct-12		\$0	\$0	tart final design of ESM beamline
FXI0015	APPROVED: Preliminary Design	0	100%		22-Oct-12 A	22-Oct-12	\$0	\$0	PPROVED: Preliminary Design
ISS1290	Prelim. Design Approval	0	100%		24-Oct-12 A	24-Oct-12	\$0	\$0	Prelim. Design Approval
SIX1430	Prelim. Design Approval	0	100%		24-Oct-12 A	24-Oct-12	\$0	\$0	Prelim. Design Approval
SMI0070	Preliminary Design Approved	0	100%		25-Oct-12 A	25-Oct-12	\$0	\$0	Preliminary Design Approved
MSMI001	Start final design of SMI beamline	0		26-Oct-12 A	26-Oct-12		\$0	\$0	start final design of SMI beamline
ISR0070	Prelim. Design Approval	0	100%		26-Oct-12 A	26-Oct-12	\$0	\$0	Prelim. Design Approval
MISR001	Start final design of ISR beamline	0		29-Oct-12 A	29-Oct-12		\$0	\$0	Start final design of ISR beamline
ESM1640	AVAIL: ESM SE Controls Specification Document	0	100%		29-Oct-12 A	29-Oct-12	\$0	\$0	AVAIL: ESM SE Controls Specification Document
CON0070	RQRD: ESM SE Controls Specification Document	0		30-Oct-12 A	30-Oct-12		\$0	\$0	RQRD: ESM SE Controls Specification Document
ISS0070	Prelim. Design Approval	0	100%		30-Oct-12 A	30-Oct-12	\$0	\$0	Prelim. Design Approval
SIX1680	Prelim. Design Approval	0	100%		30-Oct-12 A	30-Oct-12	\$0	\$0	Prelim. Design Approval
ISR1430	Preliminary Design Approval	0	100%		05-Nov-12 A	05-Nov-12	\$0	\$0	Preliminary Design Approva
SMI0810	Lead Hutch Preliminary Design Approved	0	100%		14-Nov-12 A	14-Nov-12	\$0	\$0	Lead Hutch Preliminary Design Approved
SMI1030	Steel Hutch Preliminary Design Approved	0	100%		14-Nov-12 A	14-Nov-12	\$0	\$0	Steel Hutch Preliminary Design Approved
ISR1410	AVAIL: ISR SE Controls Specification Document	0	100%		28-Nov-12 A	28-Nov-12	\$0	\$0	AVAIL: ISR SE Controls Specification Document
CON0550	RQRD: ISR SE Controls Specification Document	0	100%	29-Nov-12 A	29-Nov-12		\$0	\$0	RQRD: ISR SE Controls Specification Document
SMI0790	AVAIL: SMI ES Controls Specification Document	0	100%		12-Dec-12 A	12-Dec-12	\$0	\$0	AVAIL: SMI ES Controls Specification Document
ISR1460	Final Design Approval: ISR Shielded Enclosure	0	100%		12-Dec-12 A	12-Dec-12	\$0	\$0	Final Design Approval: ISR Shielded Enclosure
CON0080	RQRD: ESM ES Controls Specification Document	0	100%	13-Dec-12 A	13-Dec-12		\$0	\$0	RQRD: ESM ES Controls Specification Document

Project Baseline Remaining Work ♦ ♦ Baseline Milestone
Actual Work Critical Remaining Work ♦ Milestone

Oracle Corporation

NEXT Working Sc	hedule		NEXT - Mil	estone Schedul	е				12-Apr-17 14:0
ctivity ID	Activity Name	Dur	% Comp Start	Finish	BL Start	BL Finish	BL Budget	EAC Cost	Total 2013 2014 2015 2016 2017 Float
ISS1320	Final Design Approval: ISS Shielded Enclosures	0	100%	21-Dec-12 A		21-Dec-12	\$0	\$0	Final Design Approval: IS\$ Shielded Enclosures
SMI0870	Lead Hutch Final Design Approved	0	100%	09-Jan-13 A		09-Jan-13	\$0	\$0	Lead Hutch Final Design Approved
SMI1090	Steel Hutches Final Design Approved	0	100%	09-Jan-13 A		09-Jan-13	\$0	\$0	Steel Hutches Final Design Approved
MISS001	Start final design of ISS beamline	0	100% 31-Jan-13 A		31-Jan-13		\$0	\$0	Start final design of ISS beamline
SIX1450	Final Design Approval: SIX Shielded Enclosures	0	100%	31-Jan-13 A		31-Jan-13	\$0	\$0	Final Design Approval: \$IX Shielded Enclosures
MISS010	Start procurement of ISS hutch	0	100% 11-Feb-13 A		11-Feb-13		\$0	\$0	Start procurement of IS\$ hutch
MESM004	Complete Specifications of Shielded Enclosures	0	100%	13-Feb-13 A		13-Feb-13	\$0	\$0	Complete Specifications of Shielded Enclosures
MESM005	Start procurement of ESM hutch	0	100% 08-Mar-13 A	\	08-Mar-13		\$0	\$0	Start procurement of ESM hutch
MSMI005	Start procurement of SMI hutch	0	100% 12-Mar-13 A	\	12-Mar-13		\$0	\$0	Start procurement of SMI hutch
MISR002	Start procurement of ISR hutch	0	100% 12-Mar-13 A		12-Mar-13		\$0	\$0	Start procurement of I\$R hutch
CON0300	RQRD: FXI PDS Controls Specification Document	0	100% 21-Mar-13 A		21-Mar-13		\$0	\$0	RQRD: FXI PDS Controls Specification Document
M4001	Start Long Lead Procurement	0	100% 29-Mar-13 A		29-Mar-13		\$0	\$0	Start Long Lead Procurement
M1FY135	FY13 Mid Year Funding Milestone	0	100% 01-Apr-13 A		02-Apr-13		\$0	\$0	FY13 Mid Year Funding Milestone
MCM070	Start Common Beamline Systems Early Procurement	0	100% 03-Jun-13 A		03-Jun-13		\$0	\$0	Start Common Beamline Systems Early Procurement
CM0557	Hutch Bids Submitted and PSD Review	0	100%	03-Jun-13 A		03-Jun-13	\$0	\$0	Hutch Bids Submitted and PSD Review
MFXI005	Start procurement of FXI hutch	0	100% 26-Jun-13 A		26-Jun-13		\$0	\$0	Start procurement of FXI hutch
ISS1390	AWARD: Lead Hutch	0	100%	01-Jul-13 A		01-Jul-13	\$0	\$0	AWARD: Lead Hutch
ISS1510	AWARD: Monoenergetic Endstation Hutch	0	100%	01-Jul-13 A		01-Jul-13	\$0	\$0	AWARD: Monoenergetic Endstation Hutch
SMI0930	AWARD: Lead Hutch	0	100% 01-Jul-13 A		01-Jul-13		\$0	\$0	AWARD: Lead Hutch
SMI1150	AWARD: Steel Hutches	0	100% 01-Jul-13 A		01-Jul-13		\$0	\$0	AWARD: Steel Hutches
MSIX005	Start procurement of SIX photon delivery system components	0	100% 01-Jul-13 A		01-Jul-13		\$0	\$0	Start procurement of SIX photon delivery system compone
SIX1550	AWARD: Lead Hutch	0	100%	01-Jul-13 A		01-Jul-13	\$0	\$0	AWARD: Lead Hutch
ISR1530	AWARD: Lead Hutch	0	100% 02-Jul-13 A		02-Jul-13		\$0	\$0	AWARD: Lead Hutch
MSIX010	Start procurement of SIX hutch	0	100% 02-Jul-13 A		02-Jul-13		\$0	\$0	Start procurement of SIX hutch
ESM1710	Award Contract: Lead Hutches	0	100% 17-Jul-13 A		17-Jul-13		\$0	\$0	Award Contract: Lead Hutches
ISR1640	AWARD: Steel Hutches	0	100% 17-Jul-13 A		17-Jul-13		\$0	\$0	AWARD: Steel Hutches
MCM080	Start Common Beamline Utilites Design	0	100% 01-Aug-13 A	\	01-Aug-13		\$0	\$0	Start Common Beamline Utilites Design
MCM160	Receive: Mechanical Requirements - ISS	0	100%	01-Aug-13 A	- 0	01-Aug-13	\$0	\$0	Regeive: Mechanical Requirements - ISS
M1FY14	FY14 Funding Milestone	0	100% 01-Oct-13 A		01-Oct-13	-	\$0	\$0	FY14 Funding Milestone
MCM110	Receive: Electrical Requirements - SIX	0	100%	01-Oct-13 A		01-Oct-13	\$0	\$0	Receive: Electrical Requirements - SIX
MCM120	Receive: Mechanical Requirements - SIX	0	100%	01-Oct-13 A		01-Oct-13	\$0	\$0	Receive: Mechanical Requirements - SIX
MCM130	Receive: Electrical Requirements - ISR	0	100%	01-Oct-13 A		01-Oct-13	\$0	\$0	Receive: Electrical Requirements - ISR
MCM140	Receive: Mechanical Requirements - ISR	0	100%	01-Oct-13 A		01-Oct-13	\$0	\$0	Receive: Mechanical Requirements - ISR
MCM170	Receive: Electrical Requirements - SMI	0	100%	01-Oct-13 A		01-Oct-13	\$0	\$0	Receive: Electrical Requirements - SMI
MCM180	Receive: Mechanical Requirements - SMI	0	100%	01-Oct-13 A		01-Oct-13	\$0	\$0	Receive: Mechanical Requirements - SMI
SMI0160	PDS Final Design Approved	0	100%	01-Oct-13 A		01-Oct-13	\$0	\$0	PDS Final Design Approved
SIX0120	Final Design Approval	0	100%	07-Oct-13 A		07-Oct-13	\$0	\$0	Inal Design Approval
ISS0355	AWARD: High Heatload Flat Mirror (\$175K direct)	0	100%	18-Oct-13 A		18-Oct-13	\$0	\$0	AWARD: High Heatload Flat Mirror (\$175K direct)
MISS015	Start procurement of ISS photon delivery system components	0	100% 21-Oct-13 A	_	18-Oct-13	-	\$0	\$0	Start procurement of ISS photon delivery system com
ISS0130	Final Design Approval	0	100%	22-Oct-13 A		22-Oct-13	\$0	\$0	Final Design Approval
ESM0100	Final Design Approval	0	100%	25-Oct-13 A		30-Sep-13	\$0	\$0	Final Design Approval
MSMI003	Complete: SMI Final Design	0	100%	01-Nov-13 A		01-Oct-13	\$0	\$0	Complete: SMI Final Design
MISR003	Start procurement of ISR photon delivery system components	0	100% 01-Nov-13 A		01-Nov-13		\$0	\$0	Start procurement of ISR photon delivery system com
	P F			21.11 1= 1			T -	* -	Start production of fort piloton delivery system com

Receive: Electrical Requirements - ESM

Receive: Mechanical Requirements - ESM

Receive: Electrical Requirements - ISS Project Baseline Remaining Work ◆ Baseline Milestone TASK filter: Milestone. Page 4 of 13 © Oracle Corporation Actual Work Critical Remaining Work • Milestone

01-Nov-13 A

01-Nov-13 A

01-Nov-13 A

01-Oct-13

01-Oct-13

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Receive: Electrical Requirements - ESM

Receive: Electrical Requirements - ISS

Receive: Mechanical Requirements - ESM

NEXT Working Sche	NEXT Working Schedule			NEXT - Mile	stone Schedule)		12-Apr-17 14:05					
Activity ID	Activity Name	Dur	% Comp	Start	Finish	BL Start	BL Finish	BL Budget	EAC Cost	Total 2	013 201		2017
MCON001	START: Controls Final Design	0	100%	01-Nov-13 A		01-Oct-13		\$0	\$0	Float	START:	Controls Final Design	
ISR0130	Final Design Approval	0	100%		13-Nov-13 A	0. 00. 10	13-Nov-13	\$0	\$0		▼.	sign Approval	
MFXI003	Complete: FXI Final Design	0	100%		19-Nov-13 A		11-Feb-14	\$0	\$0		X I	plete: FXI Final Design	
FXI0075	APPROVED: Final Design	0	100%		19-Nov-13 A		10-Dec-13	\$0	\$0			OVED: Final Design	
ESM0545	Award Contract: Gratings Substrates	0	100%		20-Nov-13 A		04-Nov-13	\$0	\$0		. M	Contract: Gratings Substrates	
SIX0780	AWARD: Gratings Phase 1	0	100%		20-Nov-13 A		04-Nov-13	\$0	\$0		X	: Gratings Phase 1	
SIX0955	AWARD: M1 & M2 Mirror	0	100%		03-Dec-13 A		02-Dec-13	\$0	\$0		▼.	D: M1 & M2 Mirror	
ESM0160	AWARD: M1 & M2 Mirror	0	100%		03-Dec-13 A		03-Dec-13	\$0	\$0		XI	D: M1 & M2 Mirror	
M1FY1425	FY14 1st Quarter Funding Milestone	0	100%	01-Jan-14 A		02-Jan-14		\$0	\$0		-	1st Quarter Funding Milestone	
SMI0230	AWARD: Double Crystal Mono	0	100%		13-Mar-14 A		13-Mar-14	\$0	\$0		T 🔺	ARD: Double Crystal Mono	
SMI0235	AWARD: White Beam Slits (LONG LEAD PROCUREMENT)	0	100%		13-Mar-14 A		03-Mar-14	\$0	\$0		X	ARD: White Beam Slits (LONG	LEAD PROCUE
SMI0535	AWARD: Non-Optics Beamline Components	0	100%		13-Mar-14 A		26-Dec-13	\$0	\$0		X	ARD: Non-Optics Beamline Co	
ISR1840	Final Design Approval	0	100%		21-Mar-14 A		10-Jan-14	\$0	\$0		▼	al Design Approval	
SIX1200	AWARD: Plane Grating Monochromator	0	100%		21-Mar-14 A		21-Mar-14	\$0	\$0			ARD: Plane Grating Monochro	omator
ISR1570	RECEIVE: Lead Hutch	0	100%		25-Mar-14 A		17-Jan-14	\$0	\$0		🔻	CEIVE: Lead Hutch	
M1FY145	FY14 Mid Year Funding Milestone	0	100%	01-Apr-14 A		01-Apr-14		\$0	\$0		▼ .	14 Mid Year Funding Milestone	
MCON005	START: Controls Procurement	0	100%	01-Apr-14 A		31-Mar-14		\$0	\$0		X	ART: Controls Progurement	
MISR004	Complete: ISR Final Design	0	100%	· · · · · · · · · · · · · · · · · · ·	01-Apr-14 A		02-Apr-14	\$0	\$0		Ž Co	mplete: ISR Final Design	
CON1660	AWARD: Early Procurement Cables (\$10.75 per)	0	100%	01-Apr-14 A		02-Jul-14		\$0	\$0		- -	AWARD: Early Procurement C	Cables (\$10.75 p
CON2120	AWARD: Misc Motor Cables	0	100%		01-Apr-14 A		04-Feb-15	\$0	\$0		•	▲ AWARD: Misc Motor (
CMEPS1230	Purchase Std PLCs - SIX	0	100%		08-Apr-14 A		08-Oct-13	\$0	\$0		▲ Pu	rchase Std PLCs - SIX	
CMEPS1630	Purchase Std PLCs - SMI	0	100%		08-Apr-14 A		08-Oct-13	\$0	\$0		▼ •	rchase Std PLCs - SMI	
MISS003	Complete: ISS Final Design	0	100%		14-Apr-14 A		12-Mar-14	\$0	\$0		▼ .	mplete: ISS Final Design	
ISS1720	Final Design Approval	0	100%		14-Apr-14 A		12-Mar-14	\$0	\$0			nal Design Approval	
CMEPS2090	EPS design complete - FXI	0	100%		15-Apr-14 A		20-Feb-14	\$0	\$0		▼,	S design complete - FXI	
CMEPS12801	Finalize Design Milestone - SIX	0	100%	17-Apr-14 A				\$0	\$0		→ Fi	nalize Design Milestone - SIX	
CON1700	RECEIVE: Early Procurement Cables	0	100%		18-Apr-14 A		10-Oct-14	\$0	\$0		•	▲ RECEIVE: Early Procurem	nent Cables
CON2160	RECEIVE: Misc Motor Cables	0	100%		18-Apr-14 A		13-May-15	\$0	\$0		•	◆ RECEIVE: Misc M	
MCON010	START: Controls Assembly and Install	0	100%	18-Apr-14 A		14-Oct-14		\$0	\$0		•	◆ START: Controls Assembly	
ISS0900	AWARD: High Heat load Monochromator	0	100%		21-Apr-14 A		26-Feb-14	\$0	\$0		→ A\	VARD: High Heat load Monoch	
MESM010	Start procurement of ESM photon delivery system components	0	100%	22-Apr-14 A		06-Feb-14		\$0	\$0			art procurement of ESM photo	n delivery systen
ESM1310	Award Contract: Monochromator System	0	100%		22-Apr-14 A		06-Feb-14	\$0	\$0		◆ Av	vard Contract: Monochromator	System
ESM0385	Award Contract: Monochromator System	0	100%		22-Apr-14 A		06-Feb-14	\$0	\$0		◆ Aı	vard Contract: Monochromator	
CMEPS0801	Finalize Design Milestone - ESM	0	100%	24-Apr-14 A				\$0	\$0		♦ Fi	nalize Design Milestone - ESM	
CMEPS510	EPS design complete - ISR	0	100%		26-Apr-14 A		26-Jan-15	\$0	\$0		•		- I\$R
CMEPS4801	Finalize Design Milestone - ISR	0	100%	26-Apr-14 A				\$0	\$0			nalize Design Milestone - ISR	
CMEPS8801	Finalize Design Milestone - ISS	0	100%	26-Apr-14 A				\$0	\$0		♦ Fi	nalize Design Milestone - ISS	
CMEPS16801	Finalize Design Milestone - SMI	0	100%	26-Apr-14 A				\$0	\$0		♦ Fi	nalize Design Milestone - SMI	
SIX2570	AWARD: Gratings Phase 1	0	100%		29-Apr-14 A		01-Aug-14	\$0	\$0		*	AWARD: Gratings Phase 1	
MSMI020	Start assembly and installation of SMI components	0	100%	30-Apr-14 A		19-May-14		\$0	\$0		A 7	start assembly and installation of	of \$MI compone
MCM210	Complete: Common Beamline Systems EPS Design	0	100%		30-Apr-14 A		26-Jan-15	\$0	\$0		•		
CMEPS110	EPS design complete - ESM	0	100%		30-Apr-14 A		07-Jan-15	\$0	\$0		•	EPS design complete -	
CMEPS910	EPS design complete - ISS	0	100%		30-Apr-14 A		26-Jan-15	\$0	\$0		•	EPS design complete	
CMEPS1310	EPS design complete - SIX	0	100%		30-Apr-14 A		16-Jan-15	\$0	\$0		•	EPS design complete -	
CMEPS1710	EPS design complete - SMI	0	100%		30-Apr-14 A		26-Jan-15	\$0	\$0		•	EPS design complete	
CMEDCOOO							01 0-11				_	▼	1 1

NEXT Working Schedule	NEXT - Milestone Schedule	12-Apr-17 14:05

Activity ID	Activity Name	Dur	% Com	Start	Finish BL Star	rt BL Finish	BL Budget		otal 2013	2014 2015 2016 2017
								FI	oat	
ISS1430	RECEIVE: Lead Hutch	0	100%	6	30-Apr-14 A	14-Jan-14	\$0	\$0		RECEIVE: Lead Hutch
SMI0980	RECEIVE: Lead Hutch	0	100%	6	30-Apr-14 A	16-May-14	\$0	\$0		RECEIVE: Lead Hutch
ISR1680	RECEIVE: Steel Hutches	0	100%	6	30-Apr-14 A	03-Feb-14	\$0	\$0		◆ RECEIVE: Steel Hutches
MISR005	Start assembly and installation of ISR components	0	100%	6 01-May-14 A	04-Feb	p-14	\$0	\$0		◆ Start assembly and installation of ISR component
ISR0200	AWARD:Horizontal Focusing Mirror	0	100%	, o	09-May-14 A	03-Mar-14	\$0	\$0		◆ AWARD:Horizontal Focusing Mirror
ISR0480	AWARD: Cryocooler	0	100%	, o	09-May-14 A	03-Mar-14	\$0	\$0		◆ AWARD: Cryocooler
ISR0760	AWARD: DCM Monochromator	0	100%	, o	09-May-14 A	03-Mar-14	\$0	\$0		◆ AWARD: DCM Monochromator
ISR0775	AWARD: FOE Non-Optics	0	100%	6	09-May-14 A	03-Mar-14	\$0	\$0		◆ AWARD: FOE Non-Optics
ISR0340	AWARD: Vertical Focusing Mirror	0	100%	6	09-May-14 A	03-Mar-14	\$0	\$0		◆ AWARD: Vertical Focusing Mirror
CMNU0960	Commence electrical installation at BL - INTER-PROJECT LINK - ISR	0	100%	6 27-May-14 A	23-Oct-	-14	\$0	\$0		Commence electrical installation at BL - IN
MEPU010	ESM 57 - Insertion Device Procurement Process Begins - INTER-PROJECT LINK	0	100%	6 30-May-14 A	06-Nov	<i>r</i> -13	\$0	\$0		◆ ESM 57 - Insertion Device Procurement Proces
MEPU020	ESM 105 - Insertion Device Procurement Process Begins - INTER-PROJECT LINK	0	100%	6 30-May-14 A	01-Apr	-14	\$0	\$0		◆ ESM 105 - Insertion Device Procurement Proce
MEPU025	SIX - Insertion Device - EPU Procurement Process Begins - INTER-PROJECT LINK	0	100%	6 30-May-14 A	01-Apr	-14	\$0	\$0		SIX - Insertion Device - EPU Procurement Proc
CMNU1520	Mechanical utilities installation start - INTER-PROJECT LINK - ISR	0	100%	6 30-May-14 A	23-Oct-	-14	\$0	\$0		◆ Mechanical utilities installation start - INTE
ESM1810	AVAIL: ESM ES Controls Specification Document	0	100%	6	02-Jun-14 A	31-Jul-14	\$0	\$0		AVAIL: ESM ES Controls Specification Docum
SIX0025	Start Procurement of Optical Metrology System	0	100%	6 02-Jun-14 A	02-Jun	-14	\$0	\$0		Start Procurement of Optical Metrology System
EPU1080	AWARD: ESM EPU 57	0	100%	6	06-Jun-14 A	01-Apr-14	\$0	\$0		AWARD: ESM EPU 57
MSMI015	Start assembly and installation of SIX components	0	100%	6 13-Jun-14 A	14-Feb	p-14	\$0	\$0		Start assembly and installation of SIX componer
SIX1570	RECEIVE: Lead Hutch	0	100%	6	18-Jun-14 A	15-Jan-14	\$0	\$0		RECEIVE: Lead Hutch
ESM0540	Award Contract: Gratings Rulings	0	100%	6	18-Jun-14 A	10-Dec-14	\$0	\$0		Award Contract: Gratings Rulings
ESM1750	Receive: Lead Hutches	0	100%	6	18-Jun-14 A	29-Jan-14	\$0	\$0		Receive: Lead Hutches
FXI0670	Award Contract: First Optical Enclosure	0	100%	6	30-Jun-14 A	25-Apr-14	\$0	\$0		◆ Award Contract: First Optical Enclosure
FXI0780	Award Contract: Lead Hutch	0	100%	6 30-Jun-14 A	25-Apr	-14	\$0	\$0		Award Contract: Lead Hutch
M1FY1475	FY14 3rd Quarter Funding Milestone	0	100%	6 01-Jul-14 A	01-Jul-	14	\$0	\$0		₹ FY14 3rd Quarter Funding Milestone
CON1610	AWARD: MotionControllers	0	100%	, 0	02-Jul-14 A	02-Jul-14	\$0	\$0		AWARD: MotionControllers
CON1560	AWARD: Racks (\$8,600 ea)	0	100%	, 0	02-Jul-14 A	01-Jul-14	\$0	\$0		AWARD: Racks (\$8,600 ea)
ISS0620	AWARD: High Resolution Channel Cut Tank	0	100%	, 0	07-Jul-14 A	20-Aug-14	\$0	\$0		AWARD: High Resolution Channel Cut Tank
ISS0340	AWARD: Collimating Mirror & Tank	0	100%	, 0	07-Jul-14 A	01-Apr-14	\$0	\$0		◆ AWARD: Collimating Mirror & Tank
SIX2150	AWARD: Vertical Focusing Mirror	0	100%		08-Jul-14 A	09-Mar-15	\$0	\$0		◆ AWARD: Vertical Focusing Mirror
ESM021610	Contract Award - Microscanning Stages	0	100%	, 0	09-Jul-14 A	01-Jul-14	\$0	\$0		Contract Award - Microscanning Stages
SIX0075	AWARD: Optical Metrology System	0	100%	, 6	10-Jul-14 A	09-Jul-14	\$0	\$0		AWARD: Optical Metrology System
ESM0790	KB Mirrors - Award Contract: Refocusing KB Unit	0	100%	, 0	11-Jul-14 A	11-Jul-14	\$0	\$0		KB Mirrors - Award Contract: Refocusing KB
ISS1550	RECEIVE: Monoenergetic Endstation Hutch	0	100%		14-Jul-14 A	14-Jan-14	\$0	\$0		RECEIVE: Monoenergetic Endstation Hutch
ISS0200	AWARD: Filter Box	0	100%		17-Jul-14 A	13-Aug-14	\$0	\$0		AWARD: Filter Box
CON1710	AWARD: Early Procurement Power Supply (\$3,800 ea)	0	100%	6 21-Jul-14 A	02-Jul-	-	\$0	\$0		AWARD: Early Procurement Power Supply (\$
MSIX003	Complete: SIX Final Design	0	100%		24-Jul-14 A	30-Sep-14	\$0	\$0		Complete: SIX Final Design
SIX1730	Final Design Approval	0	100%		24-Jul-14 A	30-Sep-14	\$0	\$0		◆ Final Design Approval
ISS1040	AWARD: Focusing Mirror	0	100%		29-Jul-14 A	06-Aug-14	\$0	\$0		AWARD: Focusing Mirror
ISS0826	PPM Accepts and Pins Req	0	100%		30-Jul-14 A	23.09	\$0	\$0		PPW Accepts and Pins Req
CON0430	RECEIVE: FXI Rack	0	100%		31-Jul-14 A	14-Oct-14	\$0	\$0		◆ ♠ RECEIVE: FXI Rack
CON0670	RECEIVE: ISR Rack	0	100%		31-Jul-14 A	14-Oct-14	\$0	\$0		◆ RECEIVE: ISR Rack
CON0910	RECEIVE: ISS Rack	0	100%		31-Jul-14 A	14-Oct-14	\$0	\$0		◆ RECEIVE: ISS Rack
CON1150	RECEIVE: SIX Rack	0	1007		31-Jul-14 A	14-Oct-14	\$0	\$0		·
CON0190	RECEIVE: SIX Hack	0	1007		31-Jul-14 A	14-Oct-14	\$0	\$0		RECEIVE: SIX Rack
CON0190 CON1390	RECEIVE: SMI Rack	0	1007		31-Jul-14 A	14-Oct-14	\$0	\$0		RECEIVE: ESM Rack
CON1600	Receive Racks & Start Install of All Beamline Racks - Ready For NEXT Install - INTER-PROJEC	0		6 31-Jul-14 A	31-Jul-14 A 14-Oct-		\$0	\$0 \$0		• ▼
OUNTOUU	Hereive Hauts & Start Histail of All Deathline Hauts - Heady For INEXT Histail - INTER-PROJEC	U	1007	0 31-Jul-14 A	14-OCI-	17	φυ	φυ		Receive Racks & Start Install of All Beamlin

Project Baseline Remaining Work

◆ Baseline Milestone Milestone

Page 6 of 13

TASK filter: Milestone.

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NEXT Working Schedule	NEXT - Milestone Schedule	12-Apr-17 14:05

ctivity ID	Activity Name	Dur	% Comp Start	Finish	BL Start	BL Finish	BL Budget		fotal 2013 2014 2015 2016 2017 loat
SIX0920	AWARD: Chamber	0	100%	31-Jul-14 A		16-Jun-14	\$0	\$0	AWARD: Chamber
ISS1180	AWARD: Gate Valves	0	100%	31-Jul-14 A		11-Aug-14	\$0	\$0	& AWARD: Gate Valves
ESM0920	Award Contract: M3P & Chambers	0	100%	31-Jul-14 A		17-Jun-14	\$0	\$0	Award Contract: M3P & Chambers
SMI0380	AWARD: Cryo-Cooler DCM	0	100%	05-Aug-14 A		09-Sep-14	\$0	\$0	AWARD: Cryo-Çooler DCM
ESM1180	Award Contract: WaveFront sensor	0	100%	13-Aug-14 A		28-Oct-14	\$0	\$0	Award Contract: WaveFront sensor
CMNU3480	Commence electrical installation at BL - INTER-PROJECT LINK - SMI	0	100% 18-Aug-14 A		15-Oct-14		\$0	\$0	Commence electrical installation at BL - IN
CMNU4040	Mechanical utilities installation start - INTER-PROJECT LINK - SMI	0	100% 19-Aug-14 A	4	01-Dec-14		\$0	\$0	◆ Mechanical utilities installation start - INT
SMI0650	AWARD: Focusing Mirror H-V	0	100%	29-Aug-14 A		12-Mar-14	\$0	\$0	AWARD: Focusing Mirror H-V
SMI0602	AWARD: Secondary Source Aperture	0	100%	29-Aug-14 A		12-Mar-14	\$0	\$0	AWARD: Secondary Source Aperture
SIX1610	SIX - Hutches (Shielded Enclosure) - Ready for Testing - INTER-PROJECT LINK	0	100% 29-Aug-14 A	4	09-Jun-14		\$0	\$0	SIX - Hutches (Shielded Enclosure) - Ready
SMI0665	AWARD: Non-Optics Beamline Components LLP	0	100%	29-Aug-14 A		12-Mar-14	\$0	\$0	◆ AWARD: Non-Optics Beamline Components
MESM015	Receive Shutters & Start Install of All Beamline Shutters - Ready For NEXT Install - INTER-PR	0	100%	01-Sep-14 A			\$0	\$0	◆ Receive Shutters & Start Install of All Beaml
MISS035	Receive Shutters & Start Install of All Beamline Shutters - Ready For NEXT Install - INTER-PR	0	100%	02-Sep-14 A			\$0	\$0	◆ Receive Shutters & Start Install of All Beaml
CON1760	AWARD: Switch (\$6,100 ea)	0	100% 02-Sep-14 A	A .	02-Jul-14		\$0	\$0	▲ AWARD: Switch (\$6,100 ea)
CON1860	AWARD: Soft IOCs (\$4,200 ea)	0	100% 02-Sep-14 A		02-Jul-14		\$0	\$0	◆ AWARD: Soft IQCs (\$4,200 ea)
CON1910	AWARD: Timing IOCs (\$10,200 ea)	0	100% 02-Sep-14 A		02-Jul-14		\$0	\$0	AWARD: Timing IOCs (\$10,200 ea)
CON1960	AWARD: Moxa (\$3,200 ea)	0	100% 02-Sep-14 A		02-Jul-14		\$0	\$0	◆ AWARD: Moxa (\$3,200 ea)
MSIX015	Receive Shutters & Start Install of All Beamline Shutters - Ready For NEXT Install - INTER-PR	0	100%	02-Sep-14 A			\$0	\$0	◆ Receive Shutters & Start Install of All Beaml
MCM054	SIX Hutches Complete	0	100%	03-Sep-14 A		09-Jun-14	\$0	\$0	▲ ◆ SIX Hutches Complete
MISS005	Start procurement of ISS end station equipment	0	100% 03-Sep-14 A	\	02-Sep-14		\$0	\$0	Start procurement of ISS end station equipr
ESM0240	PPM Accept and Pin Req	0	100%	08-Sep-14 A	· ·	09-Sep-14	\$0	\$0	PPM Accept and Pin Req
ISS2270	AWARD: Gas Handling System	0	100%	08-Sep-14 A		29-Aug-14	\$0	\$0	AWARD: Gas Handling System
MISS020	Start assembly and installation of ISS components	0	100% 09-Sep-14 A	<u> </u>	02-Sep-14		\$0	\$0	Start assembly and installation of ISS comp
SIX0930110	SIX - M3 Mirrors - PDR	0	100%	18-Sep-14 A	· ·	18-Sep-14	\$0	\$0	SIX - M3 Mirrors - PDR
SMI6142	SMI Detector Additions - PPM Accepts & Pins Req	0	100%	23-Sep-14 A		01-Oct-14	\$0	\$0	SMI Detector Additions - PPM Accepts & P
SMI1230	SMI - Hutches (Shielded Enclosure) - Ready for Testing - INTER-PROJECT LINK	0	100% 25-Sep-14 A	· '	15-Oct-14		\$0	\$0	\$MI - Hutches (Shielded Enclosure) - Rea
ESM1780	ESM - Hutches (Shielded Enclosure) - Ready for Testing - INTER-PROJECT LINK	0	100% 25-Sep-14 A		23-Jul-14		\$0	\$0	ESM - Hutches (Shielded Enclosure) - Rea
ISR1710	ISR Hutches (Shielded Enclosure) - Ready for Testing - INTER-PROJECT LINK	0	100% 25-Sep-14 A		23-Oct-14		\$0	\$0	ISR Hutches (Shielded Enclosure) - Read
CMNU150	Commence electrical installation at BL - INTER-PROJECT LINK - ESM	0	100% 25-Sep-14 A	_	02-Oct-14		\$0	\$0	Commence electrical installation at BL - IN
CMNU710	Mechanical utilities installation start - INTER-PROJECT LINK - ESM	0	100% 25-Sep-14 A		17-Nov-14		\$0	\$0	Mechanical utilities installation start - INT
CMNU1800	Commence electrical installation at BL - INTER-PROJECT LINK - ISS	0	100% 25-Sep-14 A	_	22-Sep-14		\$0	\$0	Commence electrical installation at BL - IN
CMNU2360	Mechanical utilities installation start - INTER-PROJECT LINK - ISS	0	100% 25-Sep-14 A		05-Nov-14		\$0	\$0	Mechanical utilities installation start - INTI
CMNU2640	Commence electrical installation at BL - INTER-PROJECT LINK - SIX	0	100% 25-Sep-14 A		22-Sep-14		\$0	\$0	Commence electrical installation at BL - IN
CMNU3200	Mechanical utilities installation start - INTER-PROJECT LINK - SIX	0	100% 25-Sep-14 A		05-Nov-14		\$0	\$0	Mechanical utilities installation start - INTE
CMNU9270	Commence electrical installation at BL - INTER-PROJECT LINK - FXI	0	100% 25-Sep-14 A		28-Jan-15		\$0	\$0	◆ Commence electrical installation at BI
CMNU09930	Mechanical utilities installation start - INTER-PROJECT LINK - FXI	0	100% 25-Sep-14 A		13-Mar-15		\$0	\$0	◆ Mechanical utilities installation start -
MSMI007	Start procurement of SMI photon delivery system components	0	100% 26-Sep-14 A		30-Jun-15		\$0	\$0	♦ Start procurement of \$MI photo
CON1800	RECEIVE: Switches	0	100%	29-Sep-14 A		10-Oct-14	\$0	\$0	RECEIVE: Switches
CON2000	RECEIVE: Moxa	0	100%	30-Sep-14 A		10-Oct-14	\$0	\$0	RECEIVE: Moxa
CON1950	RECEIVE: Timing IOCs	0	100%	30-Sep-14 A		10-Oct-14	\$0	\$0	RECEIVE: Timing IOCs
CON1900	RECEIVE: Soft IOCs	0	100%	30-Sep-14 A		10-Oct-14	\$0	\$0	RECEIVE: Soft IOCs
ISS2005	Mythen Detector System PPM Accepts & Pins Requisition	0	100%	01-Oct-14 A		01-Oct-14	\$0	\$0	Mythen Detector System PPM Accepts & F
M1FY15	FY15 Funding Milestone	0	100% 01-Oct-14 A		01-Oct-14		\$0	\$0	FY15 Funding Milestone
SIX0785	RECEIVE: Monochromator Gratings Substrate	0	100%	08-Oct-14 A		08-Oct-14	\$0	\$0	RECEIVE: Monochromator Gratings Subs
ISR1405	PPM Accepts & Pins Req	0	100%	09-Oct-14 A		29-Aug-14	\$0	\$0	PPM Accepts & Pins Req
EPU1895	ESM Vacuum Chamber - Start Procurement Process	0	100% 14-Oct-14 A		14-Oct-14	1 12 3	\$0	\$0	♣ ESM Vacuum Chamber - Start Procureme
		<u> </u>			1 200 17			r: Milestone	→ 40101 Vacuum onamber - Start Flocureme

Project Baseline Remaining Work ♦ Baseline Milestone
Actual Work Critical Remaining Work ♦ Milestone

Page 7 of 13

TASK filter: Milestone.

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NEXT Working Schedule	NEXT - Milestone Schedule	12-Apr-17 14:05

ctivity ID	Activity Name	Dur	% Comp	Start	Finish E	BL Start	BL Finish	BL Budget	EAC Cost	Total 2013 2014 2015 2016 2017 Float
EPU1900	SIX EPU Vacuum Chamber - Start Procurement Process	0	100%	14-Oct-14 A	1	4-Oct-14		\$0	\$0	\$ SIX EPU Vacuum Chamber - Start Procu
EPU1085	AWARD: ESM EPU 105	0	100%		15-Oct-14 A		09-Sep-14	\$0	\$0	AWARD: ESM EPU 105
EPU1850	AWARD: SIX EPU	0	100%		15-Oct-14 A		09-Sep-14	\$0	\$0	AWARD: SIX €PU
ESM0211	RECEIVE: Rotatable Parts	0	100%		15-Oct-14 A		26-Sep-14	\$0	\$0	RECEIVE: Rotatable Parts
CON0600	ISR Ready for Procurement	0	100%		15-Oct-14 A		25-Aug-14	\$0	\$0	ISR Ready for Procurement
CON0840	ISS Ready for Procurement	0	100%		15-Oct-14 A		25-Aug-14	\$0	\$0	ISS Ready for Procurement
CON0120	ESM Ready for Procurement	0	100%		15-Oct-14 A		25-Aug-14	\$0	\$0	■ ESM Ready for Procurement
CON1320	SMI Ready for Procurement	0	100%		15-Oct-14 A		25-Aug-14	\$0	\$0	\$MI Ready for Procurement
SIX0930130	SIX - M1 Mirrors - PDR	0	100%		15-Oct-14 A		15-Oct-14	\$0	\$0	\$ \$IX - M1 Mirrors - PDR
ISS1910	AWARD: XFAS Detector and Electronics	0	100%		16-Oct-14 A		16-Dec-14	\$0	\$0	AWARD: XFAS Detector and Electror
ESM0565	Receive Gratings Substrates	0	100%		24-Oct-14 A		08-Oct-14	\$0	\$0	Receive Gratings Substrates
SIX0640	AWARD: SIX M4 Mirrors & Tanks	0	100%		24-Oct-14 A		14-Oct-14	\$0	\$0	AWARD: SIX M4 Mirrors & Tanks
ESM0925	ESM M4 Mirrors & Tanks - Contract Award	0	100%		24-Oct-14 A		15-Oct-14	\$0	\$0	ESM M4 Mirrors & Tanks - Contract Awa
SIX5010	Monochromator Gratings Phase 2 - PPM Accept Requisition	0	100%		29-Oct-14 A		02-Oct-14	\$0	\$0	Monochromator Gratings Phase 2 - PPN
CON1750	RECEIVE: Early Procurement Power Supplies	0	100%		30-Oct-14 A		10-Oct-14	\$0	\$0	RECEIVE: Early Procurement Power Su
ESM0228	RECEIVE: Liquid He Cryocooler	0	100%		31-Oct-14 A		14-Nov-14	\$0	\$0	RECEIVE: Liquid He Cryocpoler
CON2170	AWARD: Power Supply (\$3,800 ea)	0		31-Oct-14 A		4-Feb-15	11110111	\$0	\$0	AWARD: Power Supply (\$3,800 ea)
CON2210	RECEIVE: Power Supplies	0	100%		31-Oct-14 A	77 1 00 10	13-May-15	\$0	\$0	◆ RECEIVE: Power Supplies
ISR2400	PPM Accepts & Pins Req	0	100%		03-Nov-14 A		26-Nov-14	\$0	\$0	PPM Accepts & Pins Req
CON2360	AWARD: Connectors	0		03-Nov-14 A)2-Jul-14	20 1107 14	\$0	\$0	♦ AWARD: Connectors
ISS2040	Mythen Detector System AWARD	0	100%		04-Nov-14 A	72 OUI 14	04-Nov-14	\$0	\$0	
SMI6240	AWARD: SMI Detector Additions	0	100%		06-Nov-14 A		27-Jan-15	\$0	\$0	Mythen Detector System AWARD
ESM1850	Preliminary Design Approved	0	100%		07-Nov-14 A		03-Dec-14	\$0	\$0	AWARD: SMI Detector Additions
SMI2551	PPM Accepts and Pins Req	0	100%		10-Nov-14 A		03-Dec-14	\$0 \$0	\$0	Preliminary ⊅esign Approved PPM Accepts and Pins Req
ESM0176	RECEIVE: Double Goniometer Support	0	100%		14-Nov-14 A		08-Apr-15	\$0	\$0	
	• •	0					· ·	\$0		RECEIVE: Double Goniometer Su
CON1080 SMI6011	SIX Ready for Procurement	0	100%		14-Nov-14 A		19-Nov-14		\$0	SIX Ready for Procurement PPM Accepts & Pins Req
	PPM Accepts & Pins Req	0	100%		21-Nov-14 A		00 Dec 14	\$0	\$0	
ISR0620	AWARD: Dual Phase Plate Assembly	0	100%		21-Nov-14 A		08-Dec-14	\$0	\$0	AWARD: Dual Phase Plate Assembly
ISR0900	AWARD: Secondary Slits	0	100%		25-Nov-14 A		12-Feb-15	\$0	\$0	◆ AWARD: Secondary Slits
ISR1040	AWARD: Double Harmonic Rejection Mirror	0	100%	_	25-Nov-14 A		08-Dec-14	\$0	\$0	AWARD: Double Harmonic Rejection N
ISR1910	AWARD: KB Mirror	0	100%	_	25-Nov-14 A		08-Dec-14	\$0	\$0	AWARD: KB Mirror
CON0700	AVAIL: Rack Ready for Equipment	0	100%		28-Nov-14 A		04-Jun-15	\$0	\$0	AVAIL: Rack Ready for Equipme
CON0220	AVAIL: Rack Ready for Equipment	0	100%		28-Nov-14 A		03-Nov-14	\$0	\$0	AVAIL: Rack Ready for Equipment
CON2390	RECEIVE: Connectors	0	100%		28-Nov-14 A		10-Oct-14	\$0	\$0	RECEIVE: Connectors
SIX2660	Detector - PPM Accept Requisition	0	100%		28-Nov-14 A		17-Dec-14	\$0	\$0	Detector - PPM Accept Requisition Receive Shutters & Start Install of All Be
MSMI008	Receive Shutters & Start Install of All Beamline Shutters - Ready For NEXT Install - INTER-PR	0	100%		01-Dec-14 A			\$0	\$0	
SIX5060	AWARD: Monochromator Gratings Phase 2	0	100%		15-Dec-14 A		24-Feb-15	\$0	\$0	◆ AWARD: Monochromator Gratings
SIX0930120	SIX - M3 Mirrors - FDR	0	100%		15-Dec-14 A		30-Oct-14	\$0	\$0	SIX - M3 Mirrors - FDR
SIX0930140	SIX - M1 Mirrors - FDR	0	100%		15-Dec-14 A		05-Nov-14	\$0	\$0	SIX - M1 Mirrors - FDR
MESM020	Start procurement of ESM DAQ system	0		18-Dec-14 A		5-Oct-15		\$0	\$0	◆ Start procurement of ESM
ISS0755	AWARD: Ion Pumps & Controllers	0	100%		22-Dec-14 A		05-Dec-14	\$0	\$0	AWARD: Ion Pumps & Controllers
ESM0223	RECEIVE: Electronic End Station Monitoring	0	100%		24-Dec-14 A		03-Feb-15	\$0	\$0	RECEIVE Electronic End Station Mo
CMNU0470	AWARD: LN2 Piping	0	100%		28-Dec-14 A		21-Nov-14	\$0	\$0	AWARD: LN2 Piping
ISS0785	RECEIVE: Ion Pumps & Controllers	0	100%	_	29-Dec-14 A		05-Feb-15	\$0	\$0	RECEIVE: Ion Pumps & Controllers
CON0360	FXI Controls - Ready for Procurement	0	100%		31-Dec-14 A		29-Dec-14	\$0	\$0	FXI Controls - Ready for Procuremen
CON0460	AVAIL: Rack Ready for Equipment	0	100%	<u> </u>	31-Dec-14 A		03-Nov-14	\$0	\$0	◆ AVAIL: Rack Ready for Equipment

NEXT Working Sche	dule		NEXT - Mile	stone Schedul	е					12-Apr-17 1
tivity ID	Activity Name	Dur	% Comp Start	Finish	BL Start	BL Finish	BL Budget	EAC Cost	Total 2013 2014 2015	2016 201
M1FY1525	FY15 1st Quarter Funding Milestone	0	100% 01-Jan-15 A		05-Jan-15		\$0	\$0		Quarter Funding Milesto
ESM4280100	ESM Pumps & Controllers - PPM Accept Requisition	0	100%	05-Jan-15 A		01-May-15	\$0	\$0		Pumps & Controllers - F
SIX4067100	SIX Pumps & Controllers - PPM Accept Requisition	0	100%	05-Jan-15 A		01-May-15	\$0	\$0		Pumps & Controllers - Pf
ISR2460	PPM Accepts & Pins Req	0	100%	05-Jan-15 A		03-Mar-15	\$0	\$0		ccepts & Pins Req
EPU1930	AWARD: ESM Vacuum Chamber	0	100%	08-Jan-15 A		27-Mar-15	\$0	\$0		RD: ESM Vacuum Chaml
ISS0885	AWARD: Shielded Beam Transport	0	100%	08-Jan-15 A		13-Jan-15	\$0	\$0		Shielded Beam Transpo
EPU1980	AWARD: SIX EPU Vacuum Chamber	0	100%	08-Jan-15 A		27-Mar-15	\$0	\$0		RD: SIX EPU Vacuum Ch
MCM053	ISS Hutches Complete	0	100%	09-Jan-15 A		07-Aug-14	\$0	\$0		nes Complete
ISS1590	ISS - Hutches (Shielded Enclosure) - Testing Complete - INTER-PROJECT LINK	0	100% 09-Jan-15 A		07-Aug-14	_	\$0	\$0		ches (Shielded Enclosur
MISR010	Receive Shutters & Start Install of All Beamline Shutters - Ready For NEXT Install - INTER-PR	0	100%	15-Jan-15 A			\$0	\$0	♦ Receive	Shutters & Start Install o
ISS0760	AWARD: Vacuum Pumps Gauges & Controllers	0	100%	19-Jan-15 A		27-Aug-14	\$0	\$0	AWARD:	: Vacuum Pumps Gauge
ESM4280130	ESM Pumps & Controllers - Contract Award	0	100%	30-Jan-15 A		20-Aug-15	\$0	\$0	—————————————————————————————————————	ESM Pumps & Controller
ISR1465	Contract Award	0	100%	30-Jan-15 A		13-Feb-15	\$0	\$0	♣ Contrac	
ISR2050	AWARD: ESB Gas Handling System	0	100%	30-Jan-15 A		06-Nov-14	\$0	\$0		: ESB Gas Handling Sys
ISR2490	Contract Award Area Detector	0	100%	30-Jan-15 A		10-Aug-15	\$0	\$0		Contract Award Area Det
SIX4067130	SIX Pumps & Controllers - Contract Award	0	100%	30-Jan-15 A		20-Aug-15	\$0	\$0		SIX Pumps & Controllers
ISS0800	RECEIVE: Vacuum Pumps Gauges & Controllers	0	100%	30-Jan-15 A		26-Aug-15	\$0	\$0		RECEIVE: Vacuum Pum
ESM0270	Award: Scienta DA30 Analyzer	0	100%	30-Jan-15 A		31-Dec-14	\$0	\$0		Scienta DA30 Analyzer
CON1420	AVAIL: Rack Ready for Equipment	0	100%	30-Jan-15 A		03-Nov-14	\$0	\$0	Y.	Rack Ready for Equipme
SIX2430	AWARD: Spectrometer Arm & Grating Chamber	0	100%	30-Jan-15 A		28-Apr-15	\$0	\$0		RD: Spectrometer Arm
SIX2860	Spectrometer Gratings Rulings - PPM Accept Requisition	0	100%	02-Feb-15 A		04-Mar-15	\$0	\$0		ometer Gratings Rulings
SMI1440	AWARD: CRL Focusing Optics	0	100%	23-Feb-15 A		20-Feb-15	\$0	\$0		D: CRL Focusing Optics
SMI2600	AWARD: Vacuum Sample Chamber	0	100%	25-Feb-15 A		31-Dec-14	\$0	\$0		D: Vacuum Sample Char
SIX2710	AWARD: Detector	0	100%	26-Feb-15 A		30-Apr-15	\$0	\$0		RD: Detector
ISS2495	Basic DAQ - Contract Award	0	100%	27-Feb-15 A		31-Mar-15	\$0	\$0		DAQ - Contract Award
SMI2900	AWARD: WAXS Positioning System	0	100% 27-Feb-15 A		11-Nov-15	or war to	\$0	\$0		■ AWARD: WAXS Posit
MCM055	SMI Hutches Complete	0	100% 27 1 65 137	27-Feb-15 A		12-Sep-14	\$0	\$0		itches Complete
CON0940	AVAIL: Rack Ready for Equipment	0	100%	27-Feb-15 A		03-Nov-14	\$0	\$0	—	
ISS1740	Spectrometer Mechanics - PPM Accept Requisition	0	100%	02-Mar-15 A		02-Feb-15	\$0	\$0		Rack Ready for Equipme
SIX2240	Sample Chamber & Parabolic Mirrors - PPM Accept Requisition	0	100%	02-Mar-15 A		08-Oct-14	\$0	\$0		ometer Mechanics - PPM
SMI2250	Double Crystal Deflector - PPM Accept Requisition	0	100%	13-Mar-15 A		27-Jan-15	\$0	\$0		Chamber & Parabolic N
ISS2390	AWARD - Mech Equip/ Sample Chamber	0	100%	18-Mar-15 A		03-Mar-15	\$0	\$0		Crystal Deflector - PPM
MCM050	ESM Hutches Complete	0	100%	18-Mar-15 A		22-Jul-14	\$0	\$0		D - Mech Equip/ Sample
FXI0090	Award Contract: PDS Package	0	100%	20-Mar-15 A		12-Nov-14	\$0	\$0		lutches Complete
	AWARD: BPM Screen Diamonds	0								Contract: PDS Package
ISS1505		0	100%	27-Mar-15 A		04-Dec-15	\$0	\$0		◆ AWARD: BPM Scree
ISR2430	Contract Award Instrumented Six Circle	0	100%	27-Mar-15 A		12-May-15	\$0	\$0		tract Award Instrumented
SIX2910	AWARD: Spectrometer Gratings Rulings	U	100%	30-Mar-15 A	_	17-Jul-15	\$0	\$0		WARD: Spectrometer G
MESM003	Complete: ESM Final Design	0	100%	30-Mar-15 A		04-Jun-15	\$0	\$0		nplete: ESM Final Desig
ESM1900	Final Design Approved	0	100%	30-Mar-15 A		04-Jun-15	\$0	\$0		al Design Approved
M1FY155	FY15 Mid Year Funding Milestone	0	100% 01-Apr-15 A		01-Apr-15	04.84 45	\$0	\$0		Mid Year Funding Milest
ESM4230100	ESM Pipes & Bellows - PPM Accept Requisition	0	100%	01-Apr-15 A		01-May-15	\$0	\$0		Pipes & Bellows - PPM
SIX4062100	SIX Pipes & Bellows - PPM Accept Requisition	0	100%	01-Apr-15 A		01-May-15	\$0	\$0		Pipes & Bellows - PPM A
ISR1314	Award Diamond Window	0	100%	14-Apr-15 A			\$0	\$0	→ Award	d Diamond Window
CIVIOGO	Comple Manipulator DDM Accept Populaition		1000/			25 Nov 14	Φ0.	ΦΔ.		

Sample Manipulator - PPM Accept Re
SBA Package: PPM Accept & Pin Re
ESM Pipes & Bellows - Contract 0 100% \$0 \$0 ESM4230130 ESM Pipes & Bellows - Contract Award 22-Apr-15 A 20-Aug-15 ◆ Baseline Milestone TASK filter: Milestone. Project Baseline Remaining Work Page 9 of 13 © Oracle Corporation Actual Work Critical Remaining Work • Milestone

15-Apr-15 A

16-Apr-15 A

25-Nov-14

16-Apr-15

\$0

\$0

\$0

\$0

100%

100%

0

SIX1960

ISS1845

Sample Manipulator - PPM Accept Requisition

SBA Package: PPM Accept & Pin Requisition

NEXT Working Sch	edule			NEXT - Mile	stone Schedule	Э						12-Apr-17 1
ctivity ID	Activity Name	Dur	% Comp	Start	Finish	BL Start	BL Finish	BL Budget	EAC Cost	Total 201	3 2014	
SIX4062130	SIX Pipes & Bellows - Contract Award	0	100%		22-Apr-15 A		20-Aug-15	\$0	\$0		111111111111111111111111111111111111111	SIX Pipes & Bellows - Co
ISS2150	AWARD: HHRM & Diagnostics	0	100%		29-Apr-15 A		11-Dec-14	\$0	\$0			AWARD: HHRM & Diagnosti
SIX2590	RECEIVE: Gratings Phase 1	0	100%		30-Apr-15 A		09-Mar-15	\$0	\$0			RECEIVE: Gratings Phase 1
EPU2230	Low Curent Power Supplies (ESM, SIX, & EPU 105) - PPM Accept Requisition	0	100%		01-May-15 A		24-Jun-15	\$0	\$0			◆ Low Curent Power Supplies
CMNU3135	Mechanical Utilities Design Complete - SIX	0	100%		01-May-15 A		20-Mar-14	\$0	\$0			Mechanical Utilities Design Co
SIX1220	RECEIVE: Plane Grating Monochromator	0	100%		08-May-15 A		08-May-15	\$0	\$0		•	RECEIVE: Plane Grating Mo
MESM022	Start assembly and installation of ESM components	0	100%	12-May-15 A	-	20-Jul-15		\$0	\$0			◆ Start assembly and installa
CON2270	AWARD - Medium Sensitivity GigE	0		15-May-15 A		15-May-15		\$0	\$0			AWARD - Medium Sensitivity
SMI2820	WAXS positioning system - Final Design Approved	0	100%	-	15-May-15 A	,	26-Nov-15	\$0	\$0			♦ WAXS positioning sys
SMI6070	AWARD: Vacuum Sample Stages	0	100%		20-May-15 A		06-Jan-15	\$0	\$0			◆ AWARD: Vacuum Sample St
CON1810	AWARD: Linux Servers (\$9,600 ea)	0	100%		26-May-15 A		19-May-15	\$0	\$0			AWARD: Linux Servers (\$9,6
CON0400	RECEIVE: FXI Devices	0	100%		28-May-15 A		13-May-15	\$0	\$0			RECEIVE: FXI Devices
CON0640	RECEIVE: ISR Devices	0	100%		28-May-15 A		13-May-15	\$0	\$0			RECEIVE: ISR Devices
CON0880	RECEIVE: ISS Devices	0	100%		28-May-15 A		13-May-15	\$0	\$0			RECEIVE: ISS Devices
CON1120	RECEIVE: SIX Devices	0	100%		28-May-15 A		13-May-15	\$0	\$0			RECEIVE: SIX Devices
CON0160	RECEIVE: ESM Devices	0	100%		28-May-15 A		13-May-15	\$0	\$0			RECEIVE: ESM Devices
CON1360	RECEIVE: SMI Devices	0	100%		28-May-15 A		13-May-15	\$0	\$0			RECEIVE: SMI Devices
CON2310	RECEIVE - Medium Sensitivity GigE	0	100%		28-May-15 A		12-Jun-15	\$0	\$0			RECEIVE - Medium Sensitiv
EPU2290	AWARD: Low Curent Power Supplies (ESM, SIX, & EPU 105)	0	100%		28-May-15 A		14-Oct-15	\$0	\$0			◆ AWARD: Low Curent F
MSIX020	Start procurement of SIX DAQ system	0		01-Jun-15 A		27-Aug-15		\$0	\$0			Start procurement of SIX
CON0510	FXI Devices - Ready for Beamline Integrated Testing	0	100%	01 0011 1071	03-Jun-15 A	-	16-Sep-15	\$0	\$0			FXI Devices - Ready for
SIX2010	AWARD: Sample Manipulator	0	100%		03-Jun-15 A		16-Apr-15	\$0	\$0			AWARD: Sample Manipulat
ISS1790	AWARD: Spectrometer Mechanics	0	100%		05-Jun-15 A		20-May-15	\$0	\$0			AWARD: Spectrometer Me
ISS1905	SBA Package: AWARD	0	100%		05-Jun-15 A		09-Jul-15	\$0	\$0			SBA Package: AWARD
ESM4175	ESM Cold Aperture and Differential Pumping - Contract Award	0	100%		15-Jun-15 A		29-May-15	\$0	\$0			ESM Cold Aperture and Diff
ISR1215	Five DOF Table PPM Accepts & Pins Req	0	100%		18-Jun-15 A		17-Feb-15	\$0	\$0			Five DOF Table PPM Accep
CON1850	RECEIVE: Linux Servers	0	100%		23-Jun-15 A		23-Jun-15	\$0	\$0			RECEIVE: Linux Servers
M1FY1575	FY15 3rd Quarter Funding Milestone	0		01-Jul-15 A	20 0011 1071	01-Jul-15	20 0011 10	\$0	\$0			
ESM1350	Receive: Slits	0	100%		01-Jul-15 A		17-Jul-15	\$0	\$0			FY15 3rd Quarter Funding Receive: Slits
CON232005	AWARD - Low Sensitivity GigE	0	100%		01-Jul-15 A		15-Sep-15	\$0	\$0			_ _
SIX2290	AWARD: Sample Chamber	0	100%	-	02-Jul-15 A		02-Mar-15	\$0	\$0			 ◆ AWARD - Low Sensitivity ◆ AWARD: Sample Chamber
CMPPS320	Cables and Conduits Installed and Tested in Hutch - ESM	0	100%		03-Jul-15 A		05-Jun-15	\$0	\$0 \$0			
ISS0625	AWARD: Sample Handling System	0	100%		13-Jul-15 A		22-Oct-14	\$0	\$0			Cables and Conduits Instal
CON232008	RECEIVE - Low Sensitivity GigE	0	100%		15-Jul-15 A		13-Oct-15	\$0	\$0			◆ AWARD: Sample Handling
CON232505	AWARD - Optics (Lenses & Mounts)	0	100%		15-Jul-15 A		15-May-15	\$0	\$0 \$0			RECEIVE - Low Sensiti
ISR1245	Five DOF Table Contract Award	0	100%		27-Jul-15 A		27-Jul-15	\$0	\$0			AWARD - Optics (Lenses &
ISS1615	AWARD Ammendment: Hinge & Slit	0	100%		29-Jul-15 A		05-Dec-14	\$0	\$0 \$0			Five DOF Table Contract A
MSMI010	Start procurement of SMI DAQ system	0		03-Aug-15 A	29-3ul-13 A	30-Nov-15	03-Dec-14	\$0	\$0 \$0			◆ AWARD Ammendment: H
	1	0			02 Aug 15 A		14 Dog 15					Start procurement of
ESM0410 MCM052	Receive: ESM Monochromator System	0	100%		03-Aug-15 A		14-Dec-15	\$0 \$0	\$0			Receive: ESM Mono
	ISR Hutches Complete	0			06-Aug-15 A		22-Sep-14	\$0 \$0	\$0 \$0		•	 ◆ ISR Hutches Complete ◆ PPM Accepts and Pins Re
SMI1951	PPM Accepts and Pins Req	0	100%		13-Aug-15 A		20 May 15	\$0	\$0			
SIX4026100	SIX Cold Aperture and Differential Pumping - Contract Award	0	100%		14-Aug-15 A		29-May-15	\$0	\$0			SIX Cold Aperture and Di
ESM2000	Receive: Basic DAQ	0	100%		28-Aug-15 A		09-Nov-15	\$0	\$0			Receive: Basic DAQ
ESM0310	RECIEVE: Scienta DA30 Analyzer	0	100%		01-Sep-15 A		08-Jul-15	\$0	\$0			RECIEVE: Scienta DA30
CON232508	RECEIVE - Optics (Lenses & Mounts)	0	100%		16-Sep-15 A		12-Jun-15	\$0	\$0			RECEIVE - Optics (Lens
ESM0570	Receive Middle Energy Ruling (NEL)	0	100%		16-Sep-15 A		17-Sep-15	\$0	\$0			Receive Middle Energy F

NEXT Working Schedule			NEXT - Miles	stone Schedule	e			12-Apr-17 14					
ctivity ID	Activity Name	Dur	% Comp Start	Finish	BL Start	BL Finish	BL Budget	EAC Cost	Total 2013	2014	201		
ESM0580	Receive High Energy Ruling (NEL)	0	100%	16-Sep-15 A		17-Sep-15	\$0	\$0	Float			Receive High Energy Ruli	
ESM0562	Receive Middle Energy Ruling (Horiba)	0	100%	16-Sep-15 A		17-Sep-15	\$0	\$0				X 1 ·	
ESM0563	Receive High Energy Ruling (Horiba)	0	100%	16-Sep-15 A		17-Sep-15	\$0	\$0				Receive Middle Energy R	
FXI0860	FXI - Hutches (Shielded Enclosure) - Ready for Testing	0	100%	24-Sep-15 A		01-Oct-15	\$0	\$0				Receive High Energy Ruli	
SMI0530	AWARD: Non-Optics Beamline Components	0	100%	01-Oct-15 A		11-Jun-15	\$0	\$0				FXI - Hutches (Shielded	
ISR2385	RECEIVE: Base Diffractometer Parts	0	100%	19-Oct-15 A		03-May-16	\$0	\$0			•	AWARD: Non-Optics Bea	
CMEPS1900	Production EPS units delivered and tested - SMI	0	100%	19-Oct-15 A		03-May-10	\$0	\$0				RECEIVE: Base	
SMI2940	RECEIVE: WAXS Positioning System	0	100%	20-Oct-15 A		30-Mar-16	\$0	\$0				Production EPS units de	
ESM0360	All Pressure Temperature Equipment Recieved	0	100%	22-Oct-15 A		31-Mar-15	\$0	\$0				RECEIVE: WAXS	
SMI2000	AWARD: SAXS/WAXS Beam Chamber	0	100%	28-Oct-15 A		08-Oct-15	\$0	\$0			•	All Pressure Temperatur	
CMEPS300	Production EPS units delivered and tested - ESM	0	100%	02-Nov-15 A		18-Aug-15	\$0	\$0 \$0				AWARD: SAXS/WAXS Production ERS units de	
CMEPS700	Production EPS units delivered and tested - ESM Production EPS units delivered and tested - ISR	0	100%	02-Nov-15 A		03-Sep-15	\$0	\$0 \$0					
ISS1535	RECEIVE: BPM Screen Diamonds	0	100%	02-Nov-15 A		31-Mar-16	\$0 \$0	\$0 \$0				Production EPS units de	
CMPPS1120	Cables and Conduits Installed and Tested in Hutch - ISS	0	100%	02-Nov-15 A		26-Jun-15	\$0	\$0				RECEIVE: BPM S	
CMEPS1100	Production EPS units delivered and tested - ISS	0	100%	02-Nov-15 A		03-Sep-15	\$0	\$0			•	Cables and Conduits In	
SIX0930195	SIX - RECEIVE: M1 Chamber	0	100%	02-Nov-15 A		18-Sep-15	\$0	\$0				Production EPS units de	
CMPPS720	Cables and Conduits Installed and Tested in Hutch - ISR	0	100%	02-Nov-15 A		· ·	· .	· ·				SIX - RECEIVE: M1 CI	
SMPPS720 ESM0198	RECEIVE: Vacuum Chamber	0	100%	03-Nov-15 A 01-Dec-15 A		20-Apr-15 08-Apr-15	\$0 \$0	\$0 \$0				Cables and Conduits In	
CMEPS1500	Production EPS units delivered and tested - SIX	0				·	\$0	\$0 \$0			•	RECEIVE: Vacuum Ch	
EPU1100077	ESM EPU 57 - Recieved at BNL	0	100%	19-Jan-16 A 20-Jan-16 A		27-Aug-15 17-Jun-16	\$0 \$0	\$0 \$0				Production EPS units	
		0										◆ ESM EPU 57 -	
CON0990 EPU1945	ISS Ready for Beamline Integrated Testing RECEIVE: ESM Vacuum Chamber 1 & 2	0	100%	25-Jan-16 A		13-Jun-16	\$0 \$0	\$0				♦ ISS Ready for	
		0		26-Jan-16 A		29-Oct-15		\$0				RECEIVE: ESM Vac	
CMPPS950	Design review with IWG - ISS	0	100%	01-Feb-16 A		24-Apr-15	\$0	\$0			•	Design review with I	
CMNU940	Mechanical Utilities Design Complete - ESM	0	100%	08-Feb-16 A	00 May 15	22-May-14	\$0	\$0		•		Mechanical Utilities I	
ISR2180	AWARD: Laser Interlocks	0	100% 22-Feb-16 A		22-May-15		\$0	\$0			•	◆ AWARD: Laser Inte	
SMI6075	AWARD: Vacuum Detector Chamber	0	100% 24-Feb-16 A		15-May-15	00 5 1 40	\$0	\$0			•	AWARD: Vacuum [
ISS1645	RECEIVE: Hinge & Slit	0	100%	01-Mar-16 A		29-Feb-16	\$0	\$0				RECEIVE: Hinge 8	
CMPPS1170	System Complete (except shutter) - ISS	0	100%	01-Mar-16 A		27-Jun-16	\$0	\$0				◆ System Comp	
CMPPS1200	Completion of PPS - ISS	0	100%	07-Mar-16 A		22-Jun-16	\$0	\$0				Completion of	
CMEPS1159	Beamline Optics Pkgs Installation Complete (except for Collimating Mirror) - ISS	0	100%	08-Mar-16 A		10-Aug-16	\$0	\$0					
CMNU3455	Electrical Utilities Desgin Complete - SMI	0	100%	14-Mar-16 A		15-Jul-14	\$0	\$0		•		Electrical Utilities D	
ESM0203 CMEPS1200	RECEIVE: Granite Table Completion of EPS - ISS	0	100%	15-Mar-16 A		08-Apr-15	\$0	\$0				RECEIVE: Granite	
ISR2220	·	0	100%	21-Mar-16 A		08-Sep-16	\$0	\$0				◆ Completion	
	RECEIVE: Laser Interlock	0	100%	22-Mar-16 A		14-Mar-16	\$0 \$0	\$0				RECEIVE: Laser I ISS PDS Ready for	
MISS040 CON1180	ISS PDS Ready for IRR AVAIL: Rack Ready for Equipment	0	100%	24-Mar-16 A 29-Mar-16 A		03-Nov-14	\$0	\$0 \$0					
ISS1440	ISS PDS Ready for Integration	0	100%	30-Mar-16 A		09-Nov-15	\$0	\$0 \$0			•	AVAIL: Rack Read	
CON2010	AWARD - High Sensitivity GigE	0	100% 30-Mar-16 A		15-Jan-15	09-1100-15	\$0					♦ SS PDS Ready fo	
CMCS0160	Control Station; Installation Complete - ISS	0	100% 30-Mar-16 A	09-Apr-16 A	10-0411-10	20-May 16	\$0 \$0	\$0 \$0			*	AWARD - High Se	
	·	0		· ·		20-May-16						Control Station;	
CMCS0143 CMEPS1959	Optics Installation Complete - ISS Beamline Optics Pkgs Installation Complete - SMI	0	100%	09-Apr-16 A		15-Apr-16 07-Dec-15	\$0 \$0	\$0 \$0				Optics Installation	
	·	0		15-Apr-16 A								Beamline Optics F	
CON0270 ISS1940	ESM Devices - Ready for Beamline Integrated Testing	0	100%	15-Apr-16 A		13-Jun-16	\$0	\$0				ESM Devices -	
	ion chamber, sample chamber integration, VH xtal&lens, vacuum distribution: PPM Accept & Pi	0	100%	02-May-16 A		15-Mar-16 06-Mar-15	\$0	\$0 \$0				ion chamber, sar	
CMPPS150 CON2050	Design review with IWG - ESM RECEIVE: All Early Procurement Optics Cameras Components	0	100%	02-May-16 A 02-May-16 A		13-May-15	\$0 \$0	\$0			•	◆ Design review w ◆ RECEIVE: All Ea	
・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・・	I DEGENAL AN EARN Producement Uddics Gameras Components	U	100%	⊥ ∪∠-ıvıav-16 A	1	⊥ 13-WIAV-15	20	\$0	ı	1		▼ RECENTEIΔIF∈	

Electrical Utilities Desig CMNU1775 Electrical Utilities Design Complete - ISS 0 100% 06-May-16 A 15-Jul-14 \$0 \$0 Project Baseline Remaining Work ◆ Baseline Milestone TASK filter: Milestone. Page 11 of 13 © Oracle Corporation Actual Work Critical Remaining Work • Milestone

NEXT Working Schedule		NEXT - Milestone Schedule							12-Apr-17 14					
ctivity ID	Activity Name	Dur	% Comp	Start	Finish	BL Start	BL Finish	BL Budget	EAC Cost	Total Float	2013	2014	2015	2016 2017
CMCS0243	Optics Installation Complete - ISR	0	100%		13-May-16 A		15-Mar-16	\$0	\$0			11111111111		◆ Optics Installation
CMPPS550	Design review with IWG - ISR	0	100%		13-May-16 A		10-Mar-15	\$0	\$0				•	Design review wit
ISS1985	ion chamber, sample chamber integration, VH xtal&lens, vacuum distribution: AWARD	0	100%		17-May-16 A		22-Mar-16	\$0	\$0					
CMNU2140	Completion of electrical utilities - ISS	0	100%		23-May-16 A		12-Dec-14	\$0	\$0					Completion of ele
CMNU2520	Completion of mechanical utilities - ISS	0	100%		26-May-16 A		29-May-15	\$0	\$0					Completion of m
CMNU095	Electrical Utilities Desgin Complete - ESM	0	100%		26-May-16 A		15-Jul-14	\$0	\$0			•		Electrical Utilities
MEPU015	ESM EPU 105 - Recieved at BNL	0	100%		01-Jun-16 A		15-Jul-16	\$0	\$0					ESM EPU 105
CMPPS370	System Complete (except shutter) - ESM	0	100%		01-Jun-16 A		26-May-16	\$0	\$0					System Complete
CMPPS770	System Complete (except shutter) - ISR	0	100%		01-Jun-16 A		31-May-16	\$0	\$0					System Complete
CMCS0144	Utilities Installation Complete - ISS	0	100%		01-Jun-16 A		09-Oct-15	\$0	\$0				•	Utilities Installatio
CMCS0235	Control Station; Award Contract - ISR	0	100%		07-Jun-16 A		26-Oct-15	\$0	\$0					Control Station;
CMPPS400	Completion of PPS - ESM	0	100%		17-Jun-16 A		20-Jun-16	\$0	\$0					Completion of F
CMPPS800	Completion of PPS - ISR	0	100%		17-Jun-16 A		22-Jun-16	\$0	\$0					Completion of I
MESM030	ESM Beamline Available & Ready For IRR	0	100%		24-Jun-16 A		15-Jul-16	\$0	\$0					ESM Beamline
MSIR006	ISR Controls Available	0	100%		24-Jun-16 A		16-Dec-15	\$0	\$0					ISR Controls Av
CON0750	ISR Contrls Ready for Beamline Integrated Testing	0	100%		24-Jun-16 A		13-Jun-16	\$0	\$0					ISR Contris Rea
ESM1790	ESM PDS Ready for Integration	0	100%		27-Jun-16 A		29-Feb-16	\$0	\$0					▲ ◆ ESM PDS Read
CM0600	Control Station; Installation complete - ESM,SMI	0	100%		30-Jun-16 A		22-Jun-16	\$0	\$0					Control Station;
CMNU935	Electrical Utilities Design Complete - ISR	0	100%		30-Jun-16 A		15-Jul-14	\$0	\$0			•		Electrical Utilitie
MISR013	ISR - Photon Delivery System Ready for IRR	0	100%	01-Jul-16 A				\$0	\$0			_		◆ ISR - Photon D
CMCS0244	Utilities Installation Complete - ISR	0	100%		06-Jul-16 A		18-Aug-15	\$0	\$0				•	Utilities Installat
CMNU1680	Completion of mechanical utilities - ISR	0	100%		06-Jul-16 A		29-May-15	\$0	\$0	-				Completion of
CMPPS1330	Cables and Conduits Installed and Tested in Hutch - SIX	0	100%		15-Jul-16 A		22-Jun-15	\$0	\$0					Cables and Co
CMNU3820	Completion of electrical utilities - SMI	0	100%		15-Jul-16 A		17-Dec-14	\$0	\$0					Completion of
CMPPS1730	Cables and Conduits Installed and Tested in Hutch - SMI	0	100%		18-Jul-16 A		15-May-15	\$0	\$0					Cables and Co
SIX5090	RECEIVE: Low-res Gratings Rulings	0	100%		21-Jul-16 A		09-Feb-16	\$0	\$0				_	◆ RECEIVE: Low
SMI6105	Receive: Vacuum Detector Chamber	0	100%		25-Jul-16 A		20-Aug-15	\$0	\$0	-			•	Receive: Vacui
CMNU490	Completion of electrical utilities - ESM	0	100%		29-Jul-16 A		03-Apr-15	\$0	\$0					◆ Completion of
CMEPS400	Completion of EPS - ESM	0	100%		16-Aug-16 A		03-Aug-16	\$0	\$0					Completion of
CMEPS359	Beamline Optics Pkgs Installation Complete - ESM	0	100%		25-Aug-16 A		15-Jun-16	\$0	\$0					Beamline Opt
CMCS0260	Control Station; Installation Complete - ISR	0	100%		25-Aug-16 A		19-Apr-16	\$0	\$0					Control Statio
SIX2030	RECEIVE: Sample Manipulator	0	100%		29-Aug-16 A		07-Dec-15	\$0	\$0					♠ RECEIVE: Sa
CMPPS1960	Design review with IWG - SMI	0	100%		31-Aug-16 A		10-Mar-15	\$0	\$0				•	Design review
CMNU870	Completion of mechanical utilities - ESM	0	100%		31-Aug-16 A		29-May-15	\$0	\$0				•	Completion o
CMNU2295	Mechanical Utilities Design Complete - ISS	0	100%		31-Aug-16 A		06-Jun-14	\$0	\$0			•	_	◆ Mechanical U
CMNMS03	EPS ready for beamline equipment - ESM	0	100%		31-Aug-16 A		22-Sep-16	\$0	\$0			•		EPS ready for
CMNMS24	EPS ready for beamline equipment - ISS	0	100%		31-Aug-16 A		09-Jun-16	\$0	\$0					◆ EPS ready fo
CMEPS800	Completion of EPS - ISR	0	100%		31-Aug-16 A		02-Jun-16	\$0	\$0					◆ Completion o
SIX2730	RECEIVE: Detector	0	100%		31-Aug-16 A		10-Aug-16	\$0	\$0					RECEIVE: De
CMNU4200	Completion of mechanical utilities - SMI	0	100%		12-Sep-16 A		29-May-15	\$0	\$0				•	Completion
CMNU1455	Mechanical Utilities Design Complete - ISR	0	100%		15-Sep-16 A		06-Jun-14	\$0	\$0			_		◆ Mechanical
	· '	-						* -	* -					conamoai

Mechanical Utilitie

EPS ready for be
Complete: Comr
Mechanical Utiliti
ion chamber, sar
Beamline Optics CMNMS13 EPS ready for beamline equipment - ISR 0 100% 15-Sep-16 A 02-Jun-16 \$0 \$0 MCM195 Complete: Common Beamline Systems Mechanical Utilities Design 0 100% 30-Sep-16 A 06-Jan-16 \$0 \$0 CMNU3975 100% \$0 Mechanical Utilities Design Complete - SMI 0 30-Sep-16 A 06-Jun-14 \$0 lackISS1995 ion chamber, sample chamber integration, VH xtal&lens, vacuum distribution: RECEIVE \$0 \$0 0 100% 30-Sep-16 A 16-Jun-16 CMEPS008 0 \$0 \$0 Beamline Optics Pkgs Installation Complete - ISR 100% 14-Oct-16 A 12-May-16 TASK filter: Milestone. Project Baseline Remaining Work Baseline Milestone Page 12 of 13 © Oracle Corporation Actual Work Critical Remaining Work • Milestone

NEXT Working Schedule	NEXT - Milestone Schedule	12-Apr-17 14:05

Activity ID	Activity Name	Dur % Cor	mp Start	Finish BL S	Start BL Finish	BL Budget	EAC Cost	Total 2013 2014 2015	2016 2017
CMPPS1780	System Complete (except shutter) - SMI	0 100	0%	20-Oct-16 A	27-Jun-16	\$0	\$0		◆ \$ystem Co
CMNMS33	EPS ready for beamline equipment - SMI	0 100	0%	21-Oct-16 A	18-Nov-15	\$0	\$0		◆ EPS ready
CMEPS1991	Completion of EPS - SMI	0 100	0%	21-Oct-16 A	28-Jan-16	\$0	\$0		Completion
MISS030	ISS Beamline Available	0 100	0%	28-Oct-16 A	26-Aug-16	\$0	\$0		▲ SS Beaml
CMNU1300	Completion of electrical utilities - ISR	0 100	0%	31-Oct-16 A	25-Dec-14	\$0	\$0		Completion
CON1470	SMI Ready for Beamline Integrated Testing	0 100	0%	31-Oct-16 A	22-Aug-16	\$0	\$0	T	_ ◆ SMI Read
CMPPS1810	Completion of PPS - SMI	0 100	0%	03-Nov-16 A	20-Jul-16	\$0	\$0		Completio
CMNMS11	All Beamline equipment delivery complete	0 100	0%	30-Nov-16 A	03-Aug-16	\$0	\$0		◆ All Beaml
MCM270	Complete: Common Beamline Systems EPS Install	0 100	0%	30-Nov-16 A	30-Sep-16	\$0	\$0		Complete
CMEPS1559	Beamline Optics Pkgs Installation Complete - SIX	0 100	0%	30-Nov-16 A	16-Jun-16	\$0	\$0		Beamline
CMEPS1600	Completion of EPS - SIX	0 100	0%	30-Nov-16 A	05-Aug-16	\$0	\$0		▲ ◆ Completion
MCM200	Complete: Common Beamline Systems PPS Design	0 100	0%	07-Dec-16 A	10-Mar-15	\$0	\$0		Complete
CMPPS1560	Design review with IWG - SIX	0 100	0%	07-Dec-16 A	24-Apr-15	\$0	\$0		Design re
MCM190	Complete: Common Beamline Systems Electrical Utilities Design	0 100	0%	10-Dec-16 A	15-Jul-14	\$0	\$0		Complete
CMNU2615	Electrical Utilities Desgin Complete - SIX	0 100	0%	10-Dec-16 A	15-Jul-14	\$0	\$0		◆ Electrical
CMNMS23	EPS ready for beamline equipment - SIX	0 100	0%	10-Dec-16 A	05-Aug-16	\$0	\$0		♠ ◆ EPS read
SIX2310	RECEIVE: Sample Chamber	0 100	0%	22-Dec-16 A	01-Jul-16	\$0	\$0		RECEIV
MCM260	Complete: Common Beamline Systems PPS Install	0 100	0%	06-Jan-17 A	30-Sep-16	\$0	\$0		Comple
CMPPS1380	System Complete (except shutter) - SIX	0 100	0%	06-Jan-17 A	27-Jun-16	\$0	\$0		System
SIX2930	RECEIVE: High-res Gratings Rulings	0 100	0%	10-Jan-17 A	05-Apr-16	\$0	\$0		RECEIV
SIX1410	SIX PDS Ready for Integration	0 100	0%	15-Jan-17 A	11-Apr-16	\$0	\$0		♦ SIX PD
SIX2450	RECEIVE: SIX Beamline Spectrometer Arm System	0 100	0%	16-Jan-17 A	09-Sep-16	\$0	\$0		RECEI
CMPPS1410	Completion of PPS - SIX	0 100	0%	08-Feb-17 A	20-Jul-16	\$0	\$0		◆ Compl
SIX4895	SIX - Ready for Beamline IRR	0 100	0%	13-Feb-17 A		\$0	\$0		♦ SIX - F
CM0760	Control Station; Installation complete - SIX	0 100	0%	28-Feb-17 A	12-Nov-15	\$0	\$0		◆ Contr
CON1230	SIX Ready for Beamline Integrated Testing	0 100	0%	15-Mar-17 A	13-Jun-16	\$0	\$0		◆ SIX F
MCON020	Controls System Complete	0 100	0%	15-Mar-17 A	14-Sep-16	\$0	\$0		▲ Conti
MSIR008	ISR Beamline Available	0 100	0%	24-Mar-17 A	07-Jun-16	\$0	\$0		▲ ISR I
MCM255	Complete: Common Beamline Systems Mechanical Utilities Install	0 100	0%	31-Mar-17 A	31-May-16	\$0	\$0		Com
MCM040	Complete installation of common beamline system components	0 100	0%	31-Mar-17 A	03-Aug-16	\$0	\$0		Com
MCM060	Hutch Electrical and Mechanical Utilities Complete	0 100	0%	31-Mar-17 A	31-May-16	\$0	\$0		◆ Hutc
CM0710	Utilities Installation Complete - SIX	0 100	0%	31-Mar-17 A	18-Sep-15	\$0	\$0		, Utiliti
CM0700	Optics Installation Complete - SIX	0 100	0%	31-Mar-17 A	22-Jan-16	\$0	\$0		◆ Option
MCM250	Complete: Common Beamline Systems Electrical Utilities Install	0 100	0%	31-Mar-17 A	29-Apr-16	\$0	\$0		◆ Com
CMNU2980	Completion of electrical utilities - SIX	0 100	0%	31-Mar-17 A	12-Dec-14	\$0	\$0	•	Com
CMNU3360	Completion of mechanical utilities - SIX	0 100	0%	31-Mar-17 A	29-May-15	\$0	\$0	•	Com
CM0581	Utilities Installation Complete - ESM,SMI,SIX	0 100	0%	31-Mar-17 A	25-Aug-15	\$0	\$0		♦ Utiliti
CM0579	Optics Installation Complete - ESM,SMI,SIX	0 100	0%	31-Mar-17 A	29-Mar-16	\$0	\$0		◆ Optio
M10000	LOE Milestone	0 0	0%	03-Apr-17		\$0	\$0	53	♦ LOE
MSMI030	SMI Beamline Available	0 0	0%	07-Apr-17	13-Sep-16	\$0	\$0	48	◆ SMI
MSIX030	SIX All Beamline Components Complete	0 0	0%	28-Apr-17	30-Sep-16	\$0	\$0	33	♦ SIX
M2085	Internal Early Project Completion - Beamlines	0 0	0%	15-Jun-17		\$0	\$0	0	♦ In

Project Baseline Remaining Work ♦ ♦ Baseline Milestone
Actual Work Critical Remaining Work ♦ Milestone
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